

LEARNING TO SEE CREATIVELY

REVISED EDITION



Design, Color & Composition in Photography

BRYAN PETERSON



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To my beautiful wife, Kathy, with whom I will be in love forever





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INTRODUCTION

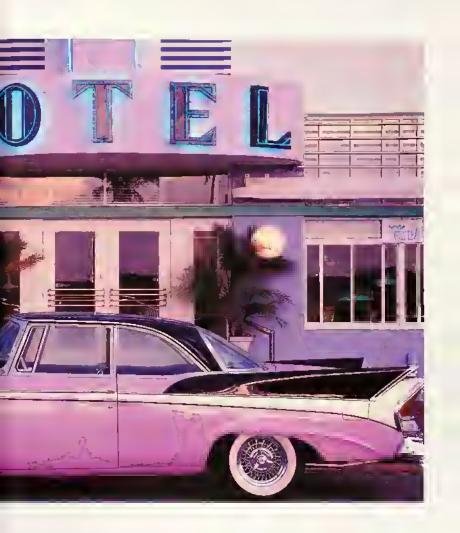
o you see irlant I see? Do purt hear reliat I hrea? It's the Christmas senson, and in the haskground my radio is timed to a statum playing that Christmas song. The timing couldn't be benefall as it flow no write the introduction in this Completely revised relinon of my book. Fearuring to See Christmedy (Amplician, 1988). Do you see inhart I see? Maybe, mapbe not. Even if you're standing tight next to the until I see something that I roan to share with you, you still may not see it until all that tentains is a glimpse. My daughters from poned a lint-in hallion up in the sky the other day, it man't until it was almost out of sight that I frially spotted in, but by then it was almost out of sight that I frially spotted in, but by then it was almost out of sight that I frially spotted in, but by then it was almost out of sight that I frially spotted in, but by then it was almost out of sight that I frially spotted in, but by then it was almost out of sight that I frially spotted in the satisfaction of the satisfaction.

What ches this story bare to the rith pirture taking? It is analogous to pursue taking and meanine reason, All of us rith are blessed with sight can see, but why is it that stimeme right next to us ran see something of interest, yet us something next to us ran see something of interest, yet us something in the field or gone our should private a friend from the liveal cantent clob, you know what it mean. Standing at the head of a unit you are hereidered, lost, and confused, in lide within minutes someone clse is setting up a namera and tripod three freet away, zeroing in in a graphic composition of autumperologed leares. You match in amazentent and field ritp outlings: 'Whit clint't I see that?'

The ansurer may be a combination of things. Perhaps you over predictioned both thoughts about you job, or hadrot dressed appropriately for the location and netestiteting like crasp. Not being able to see is probably the greatest burdle every photographic has to investing a little creater, even once you begin to sers—really sex—you are lared with the first burdle; composing all that great stuff in a balanced and fututionious listing.

I know of no real rules that one more follow to learn how as say, but I do know of many, many principles and rechaptes that are designed to help you see. The aim of this book is no not only teach you how to recognize a picture-taking approximity but also to challenge that conservance may of sering that other leads in dull, ordinary photographs. Throughout this brook, many of the





examples are pates of images that show your before and after, as need as good and benefit These portrors are certainly non-internet to be the tight way, but simply my interpretation of a particular scene at that particular moment in time.

Filteen visus have russed since forgings to Sits ctyrith the was first published. So much has changed. thanks in large measure to the many, many fortovarious of the ithorographic industry. Fresall folding at a Seminar Langle back in 1990 that Freas reading for the inclustry ra come ong wigh a 20 attornor ESB zoom lens mith ED glass and internal focusing. Although there is still no such lens on the market roday. From finthfully say that one day ice will see just such a lens. Buday, end can leave the house and head for the mountains or beach milling more than a cantera and to o fenses, and be reach for any subject that crosses your path—inhether it he a close up of a himselfy, the distant focus in hear, or that big ball of mange flames setting in the reestern sky. The temptral advances in the zoort lens arena, zoon leases more rical and compete head to head with the nuce-lacured sharper single-to-oil length lenses.

Homerer, the challenge still retitation for advance your personal rision, you must really just fire smil also esidig the rision of your leases, an matter their zoom range or amazing sharpness. This all new edition of from this to see charatteely explores the subject of persignal rision in great depth, with a compariging even be es throughout that promise to autoasti the ristimary in you regardless of technology. Whether conirc using film on like many photographers, not bothering with film anymore and instead shooting everything eligibility as the idd saying goes, "The more things change, the nume things stay the same." Although I am the first to embrane change, using it is another matter. In each Lightemploy the latest and greatest camera, lens, or photomagang softmare pangram, it would have very little impact on the one enal ingiciliem that separates a biohitma image from an a ONG Coth my God!"1 cusawing

Creating is perhaps best described as a combination of inventionness, imagnation, inspiration, and perception. The photography industry has yet to infinition a rainer dat sparches out intopic and interesting subject matter. There will harf a content during the ventical



two other compelling controls that he in watt next in the one portro currently shooting. There still soft a carner; that initiatively recognizes the "derising moment." And, there still isn't a camera that will systematically arrange poor composition in a labanced and laminations fashion before pool expose it rhighally or to film. These are challenges that communitor he part of the wondright model in image making, challenges for a litch for sole responsibility of success in failure rists squariful on room shoulders.

When I wrote the previous edition of Learning to See Creatfiely. I had one goal in mintly to dispel the myth that the an of image making tras but the chosen few Based on the overwhelming and positive responses the freard at my many irrikshops and on-line rousses, at well as continued in the many letters and e-mails live geren ed. I feel I reached that goal. This all-new, contpletely rewritten and reillottated adjusts outnises to routinue to dispel the meth, in addition, the added a section in color in the "Elements of Draigh" chapter, and I discuss in illepth not only colur's rather as a design element, but also its impact on nor mand and emotions And again through the use of comparison images, could see the rather of focusing your rision on line, shape, form, restore, and pattern, and long these elements are a strong force in creating truly compelling plintngraphir compositions.

Learning to see creatitely is also recyclependent on uliat your camera and lims can and cannot (er-Captairs of ships need to become very familiar with then maps as their narigate the world, making terrain to keep the ship pointed in the right diteratur. In much the same may, your lenses are mapt that can lead much tien and enchanting lands. With enristant practure, which comes by planning the namera and lens to from ere, you'll begin to resually mentonize the outque rision of early and every lens-furth the pluser and the minuses. The more and do this, the less likely you'll be to ever are the world in the same way again. You'll frant mit hour vast an area a mide-angle lens can court, or how a telephoto lens cut select a single subject not of an othgranse frosy and hertic scene it whith he inn much longer outil you'll find yourself kittining, untilinit liesitation, irliat lens to use as you see one porture-taking apportunite after amother.

Then, you can begin to take this new found distort to even greater beights, obtdienging yourself to view the forest from a total's mont of men; or the city steeds from a sidewalk point of view, in your backyard from a tobin's nest point of view. Cardens are not just fitted from a purpose, the nayour back at the base of a lagricular raced up it only intuicing ago. Set your camera no the shoulder of the road, and fire array just as the hig sent truck comes into view. A composition like this trull for example, make it dramatically also costs why it is so important that the cuty naturally also can small model pass for the durks that i must have buy road every spring.

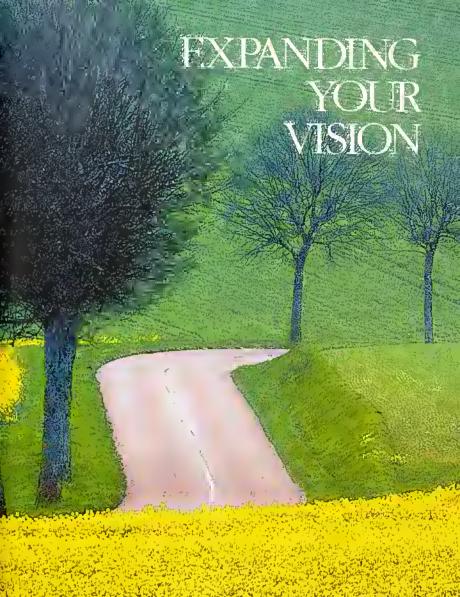
Whether or not your compositions are compelling depends not one some magic recipe, but tather on a discough understanding of lens chaire, point of clear, electrons of though, and final arrangement, or composition. All of these are, as I said, "maps" that require studying, some atmee them others. Both root fears and personceived notions trill be challenged. How will you ere share teith others the robins-arest temporal if you're afraid of heights? How mill you share the busy sidewalk is too infloradating! You'll certainly hit a freef now and then, and you may even feel compelled to abandon ship at times.

This is perfectly normal and in the expected. And, for that reason, the exercises in this near echinor are designed to help you get fire of the reof and back or course. There are centurly times in bad meather, or lousy light, to a lounced rhome in subject matter, but these exercises nell certainly dispert the myth that "there is gothing in stront."

There's a great deal of material in this book that addresses the infat, infere, and infly of successful image making. This is a book about ideas—ideas from the inventibal flores through all of us, it is my intention to help train find the knowledge of infere to fith, the contage to case pour net, and the strength to pull in pour ratch and harvest three ideas. This is not a book about not ring in the right exposure, in setting the light fistings and slittner speeds. That information can be found in any other book. Factorshooting Exposure (Amplicot, 1990).

That if all, have fun with the eurlissed national and thon't hiertonic prestrouped tritle 'duing it right'; if three's one thing out violents and peers have taught the uren the praise, it's that there are no formulas or retribus in the pursoit of intage making, it's all about observation and thought. As throny David Thorean more and, "The question is not tribu you link at but tribut you see."





How Do We See?

he human eye sees in much the same way as a 50mm lens, and therefore, the 50mm focal length line is appropriately called a normal lens. Pulike the eyes of the Six Million Dullar Man, the real human eye cannot good our and lung distant objects closer in see, the modil in 'fish-epe' vision with the flick of a switch

In photography's early years, much if not all of the pirture taking may done with normal limeses. Of course, a lot has thanged since those mady days. There may exists a problemation of single-focal-length limeses, ranging than half-farine fish-eye in a whomping 2000min

telephinto, and an almost espail introduct of variable yourn lenses, in addition, there is also the fascinating would of marko, or close-up, pholography.

In my early grans as an amatern photographer, I had nothing more than a 50mm lens and a 80km camera budy. Financial reasons kept me from buying an additional lens for traite a while Finding myself in the possition of on ring pist uncleas, I soon realized the need to physically walk closer to my subjects to britten fill the frame. I also learned him changing my point of new could maske a greater sense of parhithenium with my subjects when I met my two-year-old coursin at her eye



The Marken Lighthouse, located on the Iselmeet in North Halland, is but one of Iterately thousands of tubject that you can photograph larm a multitude of viewpoints with a multitude of different focal length lenses. Factor in the change al seasons, and the shift in light and point all view throughout the day, and ith clear how eartly an entire book could be written an intellation.

After walking our some distance atop the rocky july, I chose a low viewpoint in a vertical frame to ampharize the shape, form, and lexiure of the rocks (left). Holding my camera and 20mm lent (tother than using a tripod), Liet the operture to #16 and adjusted the shutter speed to 1/60 sec. Note how the 20mm lens, combined with a low viewpoint. creates a feeling of depth and perspective that's lurther emphasized by the curvilineat thrust of the tocks

I then changed to the other tide of the jetty and made a hottzantal exposure (apposite). Note how after changing position I lost the sidelighting on the rocks.

[Bath photos: 20mm lens, 1/60 sec. of f/16]



terrel as I full myed her around the backgrand. After climbits the Otitical a ten-story parking garage, I discovered a may and exciting vicinit chonting down to the street behav. It masma long after that one expenience that I began elimbting trees and shooting domarcia introterous name-filled landscapes

Lalso have a could memory of the first time I fooked op with ity 50000 but. After spending most of nexa m Immorg with my except intrinding guideoids goranting large aspen grove, I decided to take a break. While lying on my bank. I reached by itin comera part to take a look in the ranging of irees and blue dky interbend. Winy! Mr. meel for a break ended numerlinely. Then, at some point, Leven learnest that Leonist tember a background of tottes of outful and out-obligens color simply for

focusing at thise as possible and using the liggen lens. opening. Little did Etraffie back their just troy valuable. these lesions areje.

bt mty pit-location workships and in me Internet. photography noneser, it a omigates on be apparent that must students are not familial with the inherent circuits. that lie within their complement of lease). As Jacas Pinconcerned, the wide-and the unickest-may in expand one's minm is by during the necessary "eye exercises." After broking at the examples on these two pages and the next times shimming the raniery of mays in see pion one rubject, are the exercise in the box on pages 16-17. which almays proves to be most recealing to my stualents. Fin those of you shooping fillin, also exercise uses less than thing-six exponires.



Exercise: Knowing What Your Lenses See

Thether you would digitally in with film, planingraphy allows you to create a reason. This do you achieve the visual's large pain by knowing order your tenors are Chames are vory good that you have one of those street zooms' (see page 26). Depending on your least type, set the fiscal bright to either Bount or 350m, and raike a point to not change this at any time during this exertise. Now thoose a subject (a favorite barn or tak recet or take your spouse, friend, or child from the lockward in over in the local park. From whater in domine is necessary littles of the frame, allowing first for ill supply spans' above, below, and to hoth sides. With the conti-

was till at your epe, make vote first exposure and then logar malking toward com subject. Every live pages take another exposite, muchli of rounse to keep the subject in focus. Keep walking closer until your lencan no longer capture the subject in charp locus.

One thing is sure to result from this exercise. Thus first composition will record not only your main subject but all of that other staff that probabilis detroits from at and your infact composition should record a close-up of your subject, which not only cuts sure that other striff for made cores out some important shiff, that

Not, without rhanging the local length, repeat the exart same evenese while on your kneer and throagain while on your belly. Finally, once you've gutten



as close to your subject as you can, and making that has shot while no pour belly, turn over onto your back and take just one jurie shot while should a staight no.

While malking on your knees, you an doubt disror ered a far more minimum portrait of the small child in perhaps recorded a lar more inturare 'portrait' of the harn that had the added drama of depth and perspective since the guiden when that surrounds It now fills up the foreground of the image. Perhaps also, while on your belly, you discovered a wondeful and fresh composition of the surrounding park framed through the feer and lower legs of your friend in spouse. And, must of all, you learned the inherent rision, when combined but differing points of tren, of your 28mm or 35mm focal length lens.

But, you've only just begun! Make a point to do the same exercises at 50mm, itOontt, 70mm, 80mm, 90mm,

and 105mm. If you maintain this regimen in feye exercises' once it viels for three months, you'll have a vision that is shared by fewer than 10 percent of all phonographets, and it will be a rision that gets initized. At that next on-location photography workshop, you won't be in that group of students wandring around tracerant about tritar lens to use. Once you're integrated the your of your lenses into your minds e.g., you can stand at the edge of a mealury of take and scan the entire scene, picking unt a last of compositions even before you place the camera and lens to your eye.

It is my behef and strong connection that any rearrive endearon—inclinding bearing to see creaturely carnior hegin as long as you are feeling anxious and hist. Understanding the unique vising of pum lenses and differing punits of view will set you on a journey of unlimited possibilities!



s the sun reased the horizon to the west behind me. I moved off the jetty and over to the left, staying on the nearby shoreline. Since the Iselmeer was unusually colm this day. knew a minored reflection. would be present. What I didn't know was that the sun. was also reflecting in the lighthouse windows I quickly set up my tripod and mounted the comerci and o 80-200mm lens, My first compositional choice was to set the focol length to 80mm and compose this pleasing horizontal lapposite). To add some additional color to the scene, I placed on FIW lilter (not to be confused with the FLD) on the lens. (The FIW. like the FID, imparts a magenta color, but the FIW

is a deeper shade all magenta.] With my operture set to f/11, I then adjusted the shutter speed for a 1/15 sec. exposure and fried off several frames.

Another appartiumty to a control overfucial composition lay right before the After loasening the typod callor, I spun the cometo and lurs to the vertical position, and then abomed a much lighter composition of just the lighthouse and its reflection (left). With the aperture set to 1/22, I adjusted the shutter speed until 1/4 sec indicated a control exposure.

(Opposite: 80-200mm lens at 80mm, 1/15 sec at f/11 Leh: 80-200mm lens at 180mm, 1/4 sec at f/221

Wide-Angle Lenses

tery picture made with stire given lens is capable of felling a story, but as most senous builscape photographers have discovetell and know quite well, there's no better lens for sturyfelling-samyrelling with exact ing sharpiness from beginning to end—than the with. angle lens. Although the 35mm and 28mm are consulereal arembers of the wadesaugle family, the better stories are most often tild with these much duler local lengths: 20mm to 15mm, and sometimes even the lishrye (see page 21)

Avroiding in the lanviis phase, Every picture is worth a thursand words, and it your good is to create

compositions that myre a thousand-word response then these are the leases that can do it. There are seeeral trasous by this. One is their great angle of view from 85 degrees from the 25mm tall the way to a valuepurg 111 degrees twith the 15mm; The other reason is divir quandida depali of Held For example, when a 28mm lens is set to £22, the maximum depth of held the joid and of shapiness from back to from In an imager is roughly three feet to inlighty, but when a Zhrian lens is serticif 22, the magnitum depth of held is panglily eighteen in live to infinity. That's eighteen inchvs (burn to the loreground flowers, righteen on hes vhiser to the edge of the stream, eighteen inches closer



to the finteground rocks, and eighteen inclus closer to the tree balk. These it itle-angle lenses, inthe fram any inher, are capable of creaming some very injection-andnersonal moments.

Unfortunately, regy-wide-angle fenses continue to get a had sop from some armieuri because these fenses make creaming good composition more challenging. The most continon complaint—the just makes erregything small and digitant, and it gets may more more sould in the picture?—in precisely the reason inlightness tenses are my personal choice for marst of my landscape more. I hore the scope of material that mide-angle focal lengths bring made the frame. All that multi-provides fernile ground for selecting subjects to manipulate and emphasize. The trick is it pay attention to your point of new and, subjecturity, to pay close alternion to what's going on mode the rienvilider.

In addition to in much greater and sin eeping angle of them, the wide langle increases the sense of distance from loreground to background. This wonderful illusion of depth and perspectife can serve as the "hook" that results in the viewer's manediate participation when a foreground subject in utilized. Noted plintingraphers such as Absel Adams. David Miterich, Carr Clifton, Pat Ohara, and John Shair, to name fur a few, hat e used their wide-angle fenses in make some truly entorion-filled storytelling intagery. Almost always urthour fail, then images have it can points that encompass immediate foreground interest: the bark of a tree fraiting a distant familiouse, the intiral stunes at the edge of a lake, or the runtil blooms in a infalflower meadors at this have of distant mountains.

Compositions of this type will always evoke porreitul entouonal responses from riewers (whose senies of





while living in France, I have been fortunate to make three annual rummer journeys to the Voleniale Plain in southern Provence, and I still have yet to even come do re to copiui. ing all of its boundless beauby The Plan official many visitors from all parts of the world, many of whom, not tulpritingly, come equipped with their comerci. What is equally not rupging in that most of them stand of the edge of the many rows of lovender and frame comparifrom that are reldom inviting. A clarric example of thir in

the image obove, which I that holding my 17-35mm ferri ret to 20mm. As so many have done before me, Fitoad of eye level, and fromed tome town of lavender and a tree with the runrounding hills for off in the distance It's a nice photoaraph, but it doer little to invoke the viewer's sense of porticipation. By simply getting down low and chapting from the honeybee's point of view flaft). I owaken the viewer's renie of smell and touch Additionally, this image has a cleaner and more graphic composition.

Note the deliberate inclusion of the lone cloud on the host zon and how it helps to import an even greater rense of di lonce from front to back. To get this, I had my comero and 17–3.5mm lens on a tripod, the focal length again of 20mm, and my operate set to 1/16. I then prese the focus via the distance setting and simply adjusted the shutter speed and 1/125 sec. indicated a correct exposure

[Above 17-35mm lens at 20mm left 17-35mm lens at 70mm, 1/125 rec. at f/16]

smell, touch, and sometimes even taste are attalemed tilligations, all that's required of yours to place junised in that in difflower, meadon; and be milling to change your mount of when

In addition to your radingness to get down for heat meadom to occur conditionallied, storyedling reimpositions alon't lorget the hierally thousands of other landscapes. All it takes is a little incognitation and one very simple appearance. What does the weight fook like in here control through the 'evest all thest standberius on the rate, in a rabid's constited glasses at the local plangment, or a lost parifier at the local shapping stall, or the dead one along the meastate, or a flat the in file Nerada desent, or a rake gathering authorise other dearns, or a staffsh drugging in the one's at low the's his time to graft those in overann dungarees—you're going to began spending a lat of ture or you knees antidoctely.

■hat dees the weild fook like through the eyes of one ef the local tomcets on the smelf Italian irland of Burene near Venice? In pider to entiwer this question. I chare to meet the cet et its eye level, end thet could only mean one thing, lying on my bolly. Do I over feel intimideted et the pierpect of diepping le my kneet et stamech le get lhe thot? Abtolutely I de, but enly when I have an "audisince"-like the two elderly couplet en their front porchat fifteen feet behind me while making this she! They had cortainly naticed the strenger with the cemere gear, and I, in turn, felt remeoverwhelming thynest.

As I ohen do et timer like this plant per service of the potentially compelling image en film, et am I geing te juit walk eway because e few people eppear to be wetching my every meve? "Obvieutly, I mode the decriter to feee my feart at I most often do, and with e pan ef steedy efforts." I hendheld my cemero end Nikkor 17-35mm wide-ongle fens, using a focel length of 17mm. I then

chore en e pertino ef 1/16, preset my depth el field va he di tence setting, edjusted my i hulter i peed until 1/60 sec. indice ted a correct exposure, end proceedad te thoot revieel frames. Allheugh I speak ne litelien, 1'n quite rore that e conversation wer teking place befind ne ebeut the men with the cannere lying dewn in host efe cet.

Feeling your featt head-on will definitely impreve your relie el success lanfeld if nel mere. On these few occasions when I didn't face my faan end teke the shot, my ebility te "see" wer, for the remeinder of the dev. clouded by a sense of lenn about net leking that reefly great sheref. So, ere you ready fer the ultimate cheflenge of looing your featt head-on? Get on your belly, end thew the world how Menhetten looks frem the sidewalk's point of Newpreferably et noont Feer ef looking "foelinh" le there enquited you should never be e reezon for not creating e cempelling image.

[17–35mm lans at 17mm, 1/60 sec. at f/16]







fierce bottle takes place every April in Holland as spring attempts to wrestle itself from winter, Hailstorms, heavy winds, and soin are not at all uncommon. Ask most Durch people about the changing seasons and they say they find it "oh so very cozy " I found this compelling composition-also created with the lens "that mokas evarything small and distant"-when presented with those dramatic starm skies. Sother than filling the foreground with "stuff" | lilled the background with stoff. And, true to its reputetion, the wide-angle lens did make the landscape small and distant, but thanks to its wide and sweeping vision, I was able to fill up the frame with the strength and power of a fast approaching hailstorm, plus include a bit of the hold of blooming tulips.

[20mm lens, 1/500 sec. at f/8]



vor timo, every photogropher can describe and if not several "defining moments." These are best thought of as teming points or revolutions in your pursuit of photographic axcollance Same years ago, I was shooting in the shipyords of Postland, Oregon Of the many compositions I made over the course of the two-day shoot, none was more dofining than this one of a worker who was propering the ship for pointing. Up to this point I had done my share of looking up through stands of trees in the woods but had navar used this vrawpoint in on industrial softing Note that I didn't use a lifpod. I just held the comere and looked up.

[20mm lens, 1/60 sec at 1/6]

was determined to electe a composition through the "ever" of well-worn cowboy boots and quickly discovered the shot I'd enviripped-boots liaming the distant journa of colves. This 'kome within o frome" composition always creales o feeling of depth and peripecrive, especially when made with the wide-ongle lant Suppositing my compto on a pair of steady albows, I chose on aperture of 1/22 and preset the depth of field yro the depth-of-lield scale. f then adjusted the thutter speed to 1/60 sec

Con you imagine the Iresh and exciting visuality you would record if you spent the next year on you belly looking through other people's feet? The muddy boost of a construction worker of a construction site. The bare feet of a child at the accending to the mountain allimber accending to the mountain tog. The black, thiny wing fips of the stockbroker on Wolf Street.

[20mm lent, 1/60 sec of //22]





then you tire of lying on your belly, control er looking up with your wide-angle loin. If you choose the tight subject, you'll bring your oudience right into the image. When I sow these poppiet. In a road-side ditch, I hed to isolote.

and shoot a small group of them of flower level with my 300mm lens and one extension tube. No matter what I tried, I couldn't get a clean composition. It wasn't until I witched to my 17–35mm lens—with the idea of looking up—that I found a view.

that war not only clean but quite graphic. Lying flat on my back with my facol length at 17mm, I was able to compare these braomi against a clear blue sky

[17-35mm lons at 17mm, 1/125 sec. at 1/16]

The Full-Frame Fish-Eye Lens

he "full-frame listrere lens, mur of the unlest of all the wideaugh lenses, is the ideal lens for photographers who can never seem to keep their horizon lines straight Most fisherye lenses of ill maturally thene! the horizon line read the slightest old of the camera. The full-frame fisherye lens incorporates an extremely wide angle of view—upurate of 180 degrees—and It can also twen extremely close.

If the court of Melbourse, Auttolia, I found mysell harnestad ta the open daar of a helicapter with my legit and leaf reiting on the iklds, hovering about 100 feel above Iliis ail lanker. I war an assignment for one of the world's largest petroleum producerr, and the thema of this particular compaign was to convey the campany's worldwide presenca A wide open ocean. the land tanker, and my fisheye lens all combined for a composition that successfully

conveyed this idea—"covering tha globe." With my content and Nikker full-frame I Anim fitheye, I set the aperture to I/B and adjusted the shitter speed to I/500 sec. To avoid tocording the helicopter's bladed wethead, I asked the pilot to "pitch" the helicopter is a laded a wethead ocean, and I then stood ad on the skid and leaned over in the appoints direction while i heading down

[14mm lent, 1/500 tec of //8]





hroughout much of Europe, high-speed trains are the most comman mede al transportation between mojor cities and countries. Many of these trains pass through some picturesque countryside, and particularly in late June. numerous sunflower fields fill the countryside. I found the perfect sunflower and chase a composition that would also include one of the trains in the background With my camera and Nikkar full frame 14mm fish eye lens mounted on a tripod, 1 didn't have to wait long for the train to come through the scene, as this particular track is used quite frequently. In addition, I was faitunate to have a honeybee pollinating the sunflawer at the same time the train passed through

[14mm lens, 1/500 sec at f/8]



ince mass photographers wouldn't natmally teach

for the wide-angle lens to shoot portroits, many assume you'd have to be "nuts and Hunhotmed" to choose that fens Not sal Learning to see has every bit. es much to do with integral ing the vision of your lenses. as a does with falling out of line, as what Thateas called "Istening to the sound of a different drummor." A little experimentation here and there is good for the soul, as it often can lead to exerting discoveries. The joy on the face of my daughter Chice of the pool was best conveved by the full frame fisheye. It's a fun composition. and the fun distortion caused by the extreme angle only serves to emphasize the Joy of summer No Imped was necassary, f simply held the cemera of the water's edge and rook the shot.

[14mm lans, 1/250 sec at f/8]

Street Zooms

s their such a dring as the all-purpose lens! Pediaps not in a single focal length, but with the recent proliferation of compact and amazingle sharp zoom lenses, there just unglit be the all-purpose zoom lens. Whether your chance is the 28-105april, 28-80gun, 78-70atati, 35-105mm, or my presonal farorar, the 35-70mm, a wealth of compelling imagery is pussible. These "smer zonnes," as I call them, the appropriate relien you're hearling out the door but a walk in the cite of minuryside, they're not noted for exaggerating perspective in his compressing backgrounds but rather, souply, for recording "real life," In addition, most if nut all of the screet zooms offer a marro in physi-forus feature, and this added bonus has allitteed are to recoul some truly cumpelling anagery, as melt. It e been asked an mare than one occasion whileh one lens I could and live within. My arsiver is always the same, It's not well-town Nikkou 35-70unn F2.8

In reciencing my mark after the just tea rears, it's quite apparent that this our leas has accounted for notice than 75 percent of my mork! This might seem quite shocking to sume, considering that manuphotographics are led to believe that no create truly successful imagenone must spend hundreds, if not thousands, of dollars must be utilies of the wide-angle and pedraps even more un seceral telephoto lenses. And, as Tee ohen heard, both from suidents envalled in any Internet plantographe courses and in me on-location teachshaps, the sneed zoonus sare fac too linotong."

I mild not disagree more. I dit agree that a focal length of 18mm or 35mm can make you wash for a under angle of view at times, especially when you are pluringraphing building interiors or landscapes, And, I also agree that otherr phongraphing a coastal sunser at the Thron, 80mp, or 105mm local length, it is impossilife to record that lag half of orange setting behind the dispate sufficial Huntered, these bere particular examples are but a small fraction of the photographic opportunties that exist in the world around us. A friend at Rodak recently informed me that the biggest reason most plus rographers purchase a traiters is to record images of their family, Iriends, Judidays, and capations-and I know of no better lenses for just this purpose than the street zooms



Mn 1993. I was invited by the Chinese government to come to Beijing and spend ten days photographing the city and its people in an effort to help them win their bid for hosting the 2000 Summer Olympics Although their bid was not successful, I had a great deal of photographic success I was Irving a photographni's dream as] was provided with a chaulfoundiron Mercedes Ronz and two Chinese assistants, both Ruent in English and both having Immendous influence over the Chinese people I photographed

On our such occasion, I stopped to make a photograph of a group of people ascending the stortway in the tunnel between The forbidden City and Траллошен Бараге (орраsite). While composing this mage, two little "girls" in the frome-in brightly colored diesses-caught my eye, and I told one of my essistants that I would love to get a shall of them both in the square. The words had borely left my lips when, as I climbed the stoirs o few minules later, they were thrine waiting for me, along with their parents. Kneeling from six feet oway and zooming my 35-70mm lens to 70mm. I was able to fill the from with the two children.

After Irring off several fromns, 1 asked (as 1 olways do) for a model release, 1 also learned—as 1 had suspicions—that the child on the left was, in fact, a bay the loved his twin sister's dress so much that, fallowing much insistence, his mother purchased one for him, as well. Now that's what I call a matter layer.

[Opposte 80-200mm lens, 1/250 sec. at 1/8. This page: 35-70mm lens at 70mm, 1/250 sec. at 1/5.6]





hooting environmental partraits is best dane with the sliged zooms. My definition of an environmental partroit is an image in which both the subject and a portion of the surrounding environment are included and defined. In perticular, I lavor the 35mm and 50mm local lengths. They are the ideal chaices for getting in close without cousing facial distartion, and they both do a good (alb of rendering Just enough of the surgunding environment.

On an assignment for Kodak, I had the apportunity to shoot a number of city kids playing socces in an alleyway. Whife composing the partrait of one boy, another young boy was busy leaping repeatedly as several other boys kept kicking soccer balls his way With my camera and Nikkor 35-70mm lens an a tripod, I was assured af recording a composition in which the bulk of the frame was filled with a portrait while the boy leaping in the background made a whimsical addition. Il you take your hand and cover up the feaping boy, this image immediately oppears flat and ho-hum, It's fair to say that without the added environment, this picture would not succeed.

[35-70mm lens at 35mm, 1/250 sec. at 1/11, Kodak Max 800 (which accounts for the higher shutter speed with this aperture[] uring a lunch break white an assignment of a steef mill m sauthern Ukratne, I asked ame at the cleaning ladies if she would pose for the comero. She, unlike most of the other mill employees, had no trouble of all smilling, and perhaps that was part all my malivation in asking to take her picture.

While holding my camera, it seemed natural to place her in the middle of an otherwise desolate factory landscape. Alone omang her depressing surroundings, she sate the human sphilt Before thanking her and getting a signed release, I also made a paint to walk closer to her, changing the focal length ever so slightly and placing her a bit all center in the coreposition. And without lail, she continued to smile as the different mess (apposite).

[Bath photos: 35-70mm lens. 1/60 sec. of //11]





Thus infirmed began thy grad until selessiquent style to, whenever pussible, moord rempositions that are chara and simple, yet graph ic and hilled mills enfor in the amore: of 1997, followling this construction of cert bookyard unimming pool, Lyras hired by Yodel to short a sintes al minura his an appearing trade show, as well his becase in concern stores. Of the introy imagina Limitals over the course of seven drys, this rate remains non of my have men, and it was also lentered in Commitmelication Arts

Photography Annual 7001 As a result of so many prior experiences climbing states, mens, rund larliders and three theating looking threament, I know that the depriest and most graphic composition of the ball and tion would result from shoot Integworn flyth a mort gar Atop a trielve loot steplied the at the edge of the poul, Fersked my subject to tribesom step mits the pool and my resistant in Boot the bell fate printing. A leve seconds fater, with minimal distan-Lance to the water, I got this composition with hundholdthey my coment and Littleat 35-70mm lens set to the 20mm foord length With my aperture set to \$11,15inply adjusted the shutter spread until 1/125 sec. indicated a parrect exprainte

[35-70mm lens of 70mm, 1/125 sec. wt #/11]





If you hove yet to discover the close-locus teature that comes with most of the steet zoams, you shouldn't wost o a minute in getting out that lens now and taking a look. If you can use your macro or close-focus feature of the 28mm or 35mm end of the facal-length range, you're about to discover another vision that will add up to even more compelling Imagery. This poir of photos is a goad example of this

During the first low weeks of August, the Mount Adoms wilderness area in Washington State is a wild-flower lover's paradise. One part, called Bird Creek meadows, continues to be

one of my lovotite spots While stonding there with my camera and 35-70mm Nikkoi lens, Liecordod on ordinary composition (left) that, predictably, garners only on ordinary "ho-hum" iesponse. Sp. how do you Ivin the ordinary rate the extraordinary? More often than not, a simple change in your point of view will do the trick. With my Nikkor 35-70mm, the macro/clasefocus featura is activated when shooting only of the 35mm focal length. The work derful thing about this logture, however, is that I can shoot macro/close-up shats and still mointoin the moderately wide-angla view of the

35mm lens—a view that I call upon time and time again for effective and powerful staryletting

lying on my belly and with the cometo and 35-70mm Nikkor lens up to my eye, I had already set the focol length to 35mm (where the classifocus footure is found on my lens). I locused on a small group of Indian pointbrush and, with my appeilture set to f/22, depressed the depth-of-lield button and confirmed that Mount Adoms would in lock record on film as an autoffocus but very delinable alement in the composition. I could have composed o frame of only Indron pointbrush, but that would have hardly made sense since I wanted to show a sense of place (tho alpine meadow) and liter the Indian paint-brush shares the ground with othar Rawers and trees

Although I would have olso enjoyed rendering this same composition in exacting shorphess from flowers to distant mountain, there is a superior of the same composition in the combination that would allow it. The solution for recording oxacting sharpness from such a clase foreground fitnough to inlining is a to use o As5 view comera.

[Both photos 35-70mm lens of 35mm]







na Saluiday afternoon during the aprly '90s when I was Irving in Germany, I was heading out the door to do my weekly grocary shapping when I remindad myself to bring my camara and Nikkar 35-70mm lans. I dan'i knaw abaut yaut awn experiences, but I'm in the habit of always taking at laast. my caniera and 35-70mm lans with the whotever I goeven on those days when I'm really trail looking to take picturas. This has enabled me to snag a few pitzawinnais now and then, and this picture is and of them. It was later feaload in a national advartising compaign promoting a new video game by Nintenda and in Communication Arts Photography Annual 1993.

Throughout the day that I made this image, southern Bavaria had been experienc-Ing thunderstorms As I was returning home from the arecery state, a tather large windaw of hight apened up to the west All about the same time, t was passing a rural landscape with loss of eleen pastures and are lane caw. I quickly pulled over, knowing that the cows of Bovorio are naturally curious and this and would, in all likelihood. approach ma as I stood in front of the fence that suitaunded the field. My hunch was carrect, and as Ilia cow gat claser, the light just kept gathing batter and better. With a focal length of 35mm, F patiently warted for the caw to fill the frame and wasted no time in fixing affigust twa frames! I was out of film! [had failed to check the film. counter on my camera before looving the house. Had I done so at that time. I would have out in a frash raff

[35-70mm lons, 1/125 sec o1 (/13)

What If. . . ?

me you hegto making discoveries about hove your leases see, dun't he surprised if you find yourself in times consumed by the question. What it - 21 What if you freeze close on your traster and, as the blue smoke rises from miside, gryng yang wife-with the haby in her arms-to nininward it? What if you turns on a passport lying. on the sidervalle and include a businessman getting into a taxi in the background? What if you turns on a boute of sleeping pills with a serman asleen in her hed in the background? When it you forms close on a broken whillowpains with a softenin-looking fully boy, gloreand but in hand, or the background? What if you forms on part of the hand and though of a libilibiker on a bosy interstate? What if you litens chose on a used syringe in an alleyways What it viin fin used close

The Telephoto Lens

in thesire to see objects up close is pagate. Prehistorie man no doubt reished he could have seen the saber toothed tiget up on the knoll before it it as too late. Along raine the telescope and sallors were alrhe to steer clear of apportaching picare ships. And a remidibat be much longer, with the incention of binoculars, before all of its could great a football of source game and put ourselves down on the held with the artion. Like telescopes and binnentan, telephoto lenses offer a sale haren for prewing the would around us

Standing along the shoreline with a telephonologic you can observe migrating whales, and first their power and presence orithmic baying to jump in the scaler meato there. You can ger bute the nest with the robin and her habites with many a remey of disturbing the burnet. You ray reach a bodding engolfed to flames rention





image made with the wideangla lons (left) is not or succasilul as the one made with the telephoto (tight). That one fai uses your allentian immediately on the steeple and the mountain longa.



With my Nikkoi 300mm lens and cainera mounted on a triped, I was able to "cut to the chare" and frame the algeett buord bro virgim against the backdrap of the German Alpi. I chose on

aperture of 1/32 to assure that I got a maximum depth of lield in the image.

Itah 35-70mm lens at 35mm. 1/125 sec of // 16, Right 300mm lpst. 1/30 tec. at 1/32] fraging the slightest concern about your nwn personal safety. It is the telephoto lens that truly can take us alaces we may noter otherwise visit--for example, the eraters on the moon. It is, for many photographers, a laws of great attrentine.

to addition to the telephoto lens' ability to make bug images of distant and sopretimes fraccessible objects, le's just as important to note its narrow angle of view. This contilinies to its ability to cut through escal clutter and make a subject "shufu" at the trictyer. If the wide-angle is the significaling leps, then the telephoto is the exclumation pajor at the end of the sentence, rendering destils with eyestopping clarity. Telephoto lenses are available from the very moderate 70mm to the extremely large and heavy 2000mm. Althorigh single-focal-length telephorus. sitch as the 105mm and 300mm, overe more the choice of the discriminating shooter, the telephoto zount, at tele-zoom, has gained tremendous populanty

Ten years ago, the telephote zoom was looked uponby many with a suspicious eje-great idea but couldn't possibly delicer the sharpness of contrast required by demanding photographers. Today, this to ininterousadvances in inclinology and design, the relegition zoom has become the standard for demanding professionals. as well as the norm for most every atmatchi photographer. Aside from the SER (single-lens-rellex) digital





ith my camera and 80-400mm lens on a tripad. I chase a distant viewpoint and set the lens to 80mm. Although it's an akay shat (tap), it falls short of capturing the grandevi al the landscape behind the subject, my friend Bruce. If does show the weather averhead, but if my aim had been only to showcase Bruce against a wide apen sky, I wouldn't have needed a mauntain (a do it 1 could just as easily have taken him to the lacal park and lain on my stamach near his leet, shooting upward with a super-wideangle lens against a bocklit sky it wasn't until I changed my local length to the 300mm range, that I got the effect I was seeking of Bruce alone on the mountaintop popinst rolling hills. An operture al f/3? assured maximum depth of Itald.

Top: 80-400mm lens et 80mm Balrom: 80-400mm lens at 300mm, 1/60 sec. at 1/32]

cameras, all other algoral cameras are emporped reality listed and permanent zonat lens, most oben including the telephoto range in the ground's design. This standard equipment is affunction once again of man's desire to see far objects up close. Rate is the digital extrema that offers a superstrate-angle lens as part of its entire zonat range. Also, finited recently, most telephotic zonats in our eather "U-210 min or 80-200 min. Although tele-zonats in this stage are still naturalizational and purchased, quite a

manther of photographies are upthing for the even lighter and longer relections; bit-300mm, 80-400mm, and even 100-590mm, several of these buses even offer a education-reduction feature that less you show madges a shume speeds mountally considered for slow for form hidding, ce. 1 off and 1.40 sec. 1 overally purchased in 800-400mm offer the feature, and it reafly union, 15 ml in mo, of that is the hard, so more often than not, 1 soft mount the camera and this lens on a tepos!



As a probably apparent by non , I believe in using a mood a great deal of the tutte. As a general rule, I do not believe it is a good idea to use any camera and lets combination off of a topod when the stritter speed falls below the local length of the lens. For example, if not are using a tele-zoom with a maximum telephoto range of 300mm, I would suggest not shooting without the tripod at shatter speeds below 1 250. sec. (This same rule would apply even if you are using

the 60mm focal length range of your 60-300mm telezoom, since the orerall irreight of the lens basn't clianged tilf you're not using a topod when you are photographing, then centainly you could use a monopod when the shutter speed falls below the recommended range for handholding the cauters. In additionto obtaining razor sharp images, the traped is also retalfor learning the art of contrposition, (See pages 86-127) for intire on composition t





I I mentioned corlies. the telephoto lens has a natural tendency to reduce depth of field and complets space, or well or reduce backgrounds and foregrounds to muted to not al calar and/or shapes. When I sow this elderly mon in a small village in the Alsoce region of France, it was an immediate no-broiner, Overflowing boxes of Rowers runounded him on both sides. 'What a great background!" I exclaimed to myrelf and to the two Itudens who were with me of the time. His worm and

friendly imile was an above our invitation for converselion, and I soon learned he was a local woodcarver and had fived in this small village his whole life. Being asked to pase way, in his words, 'a heat," and my two iludestrand I worled no time in taking hit picture.

Although the first photograph is a good example of a simple and pleasing enviranmental partials, it doesn't come close to conturing the wormth of his smile or the texture of his face. So, I. asked him to stand no less than ten feet in front of the

llowering window baxes Then, with my comero and 80-200mm mounted on my tripod. First the local length to 200mm and the operture to \$/5.6 This combination of distance between subject and background plus the large lens apening asjured me of recording a rozorsharp image of the rubject. against a hormonious wash of blurry background tone and color.

flet: 80-200mm lent, 1/125 sec at 1/8, Above- 80-200mm lehi at 200mm, 1/250 sec. at 1/5 6)



mollowing the sprinkling of several packets of seed in my awn backyoid "meadow," my three-month wortwas aver. Flowers ward everywhere, and I wasted no. tima over the cours a of sevaal days shapling numaraus land-llower compositions. With my 300mm lens. 36mm axterision tube, and carriera un a tripod, I cama upon this larre Shirley pappy and made sure to place it against a small area of giben, which in this casa

was nothing mare than the siems of flowers in the background. Paying further attention allowed me to showcase the flower's calor against background tones at reds, pinks, and purples (also dua to the background flowers)

I know all na better combination of equipment to achieve this type all laneflower-against-supportivebackground composition than a 200mm or 300mm lans with the addition of a large extension tubo. The

extension luba will more than likely be necessary even if your tele-zoom affers a macia di close-facus feature. The addition of the extension tube simply allows your lens. to locus even closer and also reduces the grea of sharpnoss (the depth of field) even further. This is vital since in most pardons, meadows. and fields the flowers after grow quite clase tagether. Nate, Don't confuse extension tubes with a daubler, at what is also called a 2X canveriet. An actension tube is simply a glassless metal tube [normally add in sets of thrae) that, when placed between the lens and the comera, extrads your class-lacusing range. You wan't be able to facus tha lens to infinity again until you remove the tube, but when it comes to doing the safective-facus class-up work, who cates about infinity?

(300mm lens, 36mm extension tubo, 1/250 sec. of //5.6)

his lone pigeon cought my oftention as I approached a lountain in the early morning while walking the streets at Rathenburg Germany As I already had my camera and 80-400mm lens on a mano

pad, I was quick to set up, and from a distance of about twenty feet and lacal length set to 400mm, 1 was able to "pull" the bild aut of a background that was comprised al a large hotel wall with numerous windows in addition to the lang local length. my subsequent operture chaice of 1/8 also trelped in rendering the background as myted tonas and shapes

180-400mm lens at 400mm. 1/60 sec of f/8]



anuel is the three-yearald son of my hiend Arnold. He has one of those laces that makes you run for the camera. With any children, you obsolutely must compose the shat at their eye level if you want to convey their sense of innocence. I asked Manuel to get on his belly about twenty leet in front of a large evergreen hedge, I followed suit, meeting him at his eye level, and was able to recard the background hedge as a washedout lane of green, which served as a nice backdrop

[300mm lens, 1/500 sec at f/4]



I's so 'French" to go to the bakery every maining and buy your baguette. It's not uncommon to see the cofé. bistro, and restaurant owners corrying armlaads of baguelles out of the bakeries and onto the streets as they head back to their own places of business On one such morning, my wife was going off to buy some baquettes for an upcoming get-together with friends. I immediately thought, 'Photoapt'-and as she headed out the door, we agreed to meet near the bokery after she made her purchase and t went to gother up my gear With my Nikkar 80-400mm fens and camera mounted on a tripad. I was able to compress the space in the background and narrow the death of held considerably with the focul length set to 400mm.

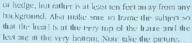
(80-400mm lant at 400mm. 1/125 sec. of [/5.6]

froosing a viewpoint from above and then shooting down can often reveal some new exciting compositions of fired and waps-out subjects. Most often, o high viewpoint is combined with a wide-anale or "normal" lens Rarely is it used with a relephoto, unless you're really high up, such as an the reaften of a skyscraper or la a helicapter. But since I was in one of those rule-brooking moods. I shot this picture of my friend Fabrice while look ing down from my second-Root window (apposite). Again, salely due to the telephoto's inherent compression of space, the normally 6' 2' Fabrica was reduced in size. Holding my comero, I chose to focus on the sunglosses on top of his head

180-200mm lens of 160mm, 1/125 sec. at f/8]

Exercise: Seeing with the Telephoto-

Tivo qualities of the telephoto are its infrerentir shallow depth of held and its ability to compress the relative position of objects in a serine, thereby giring this impression that the space is rrion ded." Try this giest risual telis-zoont exercise that I know will help you "see" with this unique lear. Take out your ratmers and tele-zoom, and frame a person right in the middle of the viewfinder with the lens set in its shurtest focal length, for example, if uring a 60-300mm, set the lens to 60mm. Make conain that the person is and standing up against a realf



Then, zimm the lens to the 135mm biral bengthand walk backnard until the person's head and feet are once again near the near top and nery bottom of the frante. Take a plettire. Nutice that when your frame the person at the shorter hiral length, the background is lar more discernible than when you photograph the person in exact proportion at the hingest local length. The lack of depth of field tibe fox/ier background) at the lunger telephoto range is whe experienced photographers choose this longer teleplum singe for selectively focusing subjects such as Boreen and sumple pharans.

If you can record this effect trult a moderate teleplotto lens, such as those in the 155mm range, maging how much hizzier you can make backgrounds tenh the 200min, 300min, and 400min focal lengths. Interestingly enough, the rhiser you physically more buyard rour subject, the more diffused and less defined your backgrottn's become. In ellert, you can from that busy and colorful reall of graffiti into a seaof multiculonal tones for smiply choosing to obtace graph your subject terr to fifteen first in fruit of the wall until the tele-znom ser in 200mm or 300mm.

There are also the super telephotos, which range in size from 500mm to 2000mm, but ther are selding used by autaterrs-not because they aren't lun to wink with but because of their extiduant gost. One contera manufacturer currently sells its 600mm F4 lers for \$7,800. Any takers? Obvirtusly, these lenses are itsetif, but they're reserved, but the input pair, for the piolessimal of senous amateur photographer, especially those with shoot sports and sublide,

If your entirely about these louger relephoto leases is too nincli tu ignure, consider calling up the local-'pur' camera shipp. Changes are really good they harr one of these "hig guns" available on a daile or sceekly jenial basis. Walt a bitle mephitiging, renting one of these hig lenses mulif imp big rewards. Whitknorys? Perhaps on your next African plum salars, you may be the one who captons the 'kill' in a freshand exciting light and, behine you know it, has naide \$10,000 on that rate intage-and all for the price of a remed lens



Macro Photography

boner or later, most plintingraphers develop an interest in seeing the world from a close-up print of riber. The camera unfastly, tow more than erre, has accumumfasted this desure by manufacturing a multimed of different local length zorum lenses—many of which eiter a marin in close-focus feature—as well as chose-up filters, extension tubes, and turn naturo lenses. All of diffs empiriment is designed to allow photographers to explore worlds that evolul otherwise pass by unnotified. Sometimes, you may find yourself gening or close to your subject that reality fades an ay and worlds of geninetic and microscopic elements enterties.

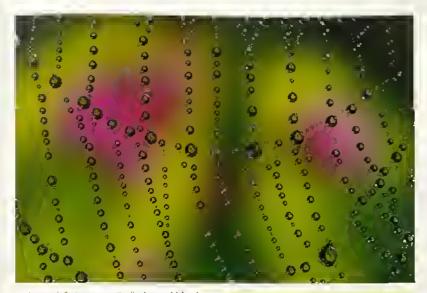
Since close-up, in macro, photography affirs unlimited possibilities of exploration. I often prescribe the flose-up macro lens in sindents enrolled in my internet photography courses as the antibute for times return they latured. I couldn't find anything to shoot this recek? Consider the world new from the perspective of an artifact lating the course apparent that the internet ground is explored solely with the risson of the

rhise-up no macro lens, it is no surprise that, even in mir function differences, one it with large barely scratched the surface

Close-up or marror photography tovolers, not stopostugly, a for of transmal cantion posturos and solvequent points of trees. Again, you will find printsell spending a great deal of time on your knees and belly, as well as not your back. There's also the added complication of a shallour depth of felid the to the close focusing distances of environ using apertures as small as fizz. One of the surest ways to inventione this limited angle of sharpness is to keep the film plant parallel to the subject reference possible and tree a form and strady pain of ellions on a topod that has rullipsalide legs that surend all the way to ground here!

Although close-up or marro photography has long been associated with native subjects, don't hant your marri rision to that I made my departure from shooting nufr nature close-ups at long fittle ago, rhousing to also explore the local junkjurds, altegrous, and even an overasimal dompster. The millinguess to be open to an subject is a sure sign of featuring to see meaturely





inappore's Sentoso Island boasts a butterfly pail that is home to more than 4,000 bytterRies. It's a butterfly-lover's paradiso. Experience had already tought me that this type of subject matter requires on extension tube With my romato, Nikkor 80-400mm lens, and 36mm extension tube, I was ready for the hunt I didn't have to travel fail as this was a netted enclosure and there were literally butterflies everywhere. In composing the image apposite, I made it a point to choose a viewpoint that would keep the butterfly parallel to the film plane, thus assuring the nacessary sharpness. With an operture al 1/8 and the resulting limited derath of field. I was also assured of rendering the two lareground palm trands as out-affacus areas al color.

[30-400mm lens, 36mm extension luba, 1/30 sec. of 1/8]

ollowing a quick breakfost, I strade out into my backyoid, anxious to find o spiderweb or two. The night before, the weatherman promised a lot of early morning dew-just what the close-up photographer needs to make some truly compelling spidetweb Images, It didn't take me lang to notice one, and I grabbed my Micro Nikko 105mm lens. camera, and tripad. I chose a viewsoint that would but the subject parallel to the film plane, thus assuring shorpness from the top of the web to the bottom Since this spiderweb was among rows al dahlias, I got the added banus of the flowers forming on out-of-locus background hus. Note: The depth of held can be very shallow when shooting close-ups-these dohlias wate o mote twelve inches away from the web.

1105mm fons, 1/15 sec at [/16]

Extension Tubes

in not a hig fan ut close-up filiers. I ve never been pleased with their upheal performance. On the Lipiter hand, I am a ling lan of extension tubes Extension tulies are nothing more than metal rings that fit hetween with camera's body and lens. They 'extend' the rear element of the lens away from the nament's film plane, and optical law states that the taptier the rear element is from the film plane, the closer rimill be able to focus. Since extension tubes have no added glass tiliey are just hollow metaltubes), they don't degrade the sharpness of the lens.

50, what lenses itself recommend using with extensitui inbes? My neisonal favorite combination is a 36jum extension tube truli a 300mm or 100mm focal length lens. As you may know, those long telephoodo bring distant subjects up close, but they also bare one major aboveback—their inalidity to focus really close. Suppally, these lenses cannot focus any chiser than lifteen feet, but with the aid of an extension tube, their ability to biens closer is improved.







know of no lens that can break through those feelings of lethorgy and apathy quicker than the macra ar clase-up lens. All you have la do is paint it at almost onything. While visiting my brather in Seattle, I awake to find his backyord cavered in dew. Defloied and slung over a chair was ane of his summer remnants: a lane inflatable raft

Although the air had gane out of it, it was still teeming with life-very bright and calorful. Over the next twenty minutes, I managed ta shoal mare than seventy graphic, full-frame campasilions of line, lexture, and pattern. I felt wanderfull

[This page, both photos: 70-180mm lens, 1/15 sec. at 1/32]

here's nothing like spending a very leisurely afternoan among aver fifty iguanas inside an open-air gorden, this one in Singapare, I was free to roam, as were they. Taward sunset, they appeared even more lethargic than they were earlier in the day, and it was my hape that I could fill my entire frame with the lane eye of one iguono surrounded by the beautiful tex-Ture of its skin. My earlier oflempts in gelling clase enough had made the iguanas get skittish and run aff.

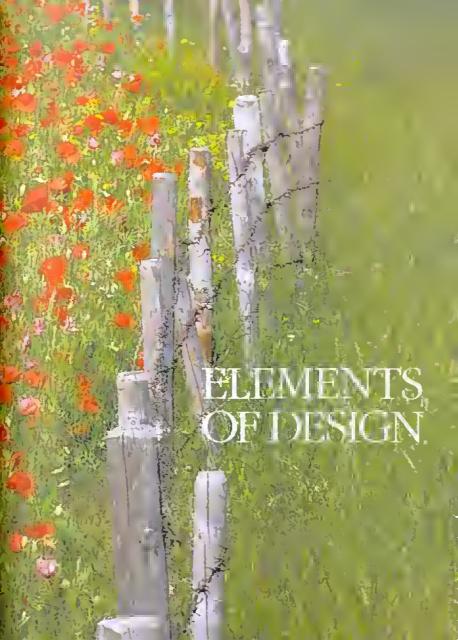
I chase one particular iguona because il, mare than all the others, appeared to be the most tired, as well as the oldest. I reasoned that

age and faligue would be my allies. Slawly, I crawled loward it, all the while keeping my camero and Micra Nikkar 70-180mm lens to my eye. With my aperture set to f/16 I had already adjusted the shutter speed to 1/60 sec. All I needed was la keep my eye an Ihal viewfinder. Occasionally, as I gat claser I would fire aff a frame or two but, within minutes, was almost there. As I finally reached that paint at which I could locus no closer, I saw that my viewlinder was filled with the lane eye and the surrounding texture.

[Opposite, both photos: 70-180mm lens, 1/60 sec. of f/16]







What Makes a Striking Image?

In acked what kind of photographs command the most attention, my ancwer is always the same. They must often involve runninopplace subjects composed in the samplest way. They're curvessful because they in limited to a single theme or idea—and they're always organized without cinter. These powerful mujicutione are in sharp content to many of the pirtures taken by areneor photographies today. Amateurs, in their haste to record the image, and up with pirtures than often have too many points of interest, or in some case, lack a single interest. The resulting lack of direction and

urbsequent confirm alienates the eye, forcing it to move on, sceking visual catalaction elsewhere

Imagine finding yourself lost unit on the open road. You finally see a long gai naturn up ahead, and you are lunger to discrive the route back to the interactic. You ask the attendant for discrimits, and he begine to offer plan A and plan B and plan C, each with varying degrees of very querific detaile. Rather than having bound the than, couple, and courise discrimits you were seeking, your brain icross symmtong in a sear of even greater confucion. Clear and courise discrimes are all that you want And, that'e what most of os seans. We want to know the plan, the schedules, the dates, the time. Without roder,



chais will soon be upon you, and, touth that serious stress and with stress comes an mability to perform teel—and a poor performance taxes one's self-esteem

Successful photographs rely on urder, too. And the element thin bring order to photographic composition are line, shape, form, texinice, pattern, and culon—these are the elements of design. Every photograph, successful or mi, contains at least one if not several of three elements, regardless of the subject. All of these elements have tremendous syntholic value—particularly line, texinice, and orbit. They can be experienced as either hard or soit, friendly or brostle, strong in weak, aggressive in passive. Most of the time, we see and utilize these elements with innonsection abandor. You mentity and your ble experiences after your sensitivity to various visual components, and this in tim affects how you use them to your compositions.



hese glass blocks are part of a short wall enclosing a friend's front parch, is this image "at!"? As with all art, the answer is subjective, but one thing is certain: It's on image with impact—and for good reason. It's on image of shope, line, texture, and color, an image that's made up salely from the elements of design.

[35-70mm lens, 1/60 sec. a1 f/11]

Exercise: Mastering the Basic Principles of Design

Years ago, I began giving stanlents an excicise that I still use today. It can help not only expand your rision but also reveal parts of your inner pyrific, your likes and dislikes.

Gather up about eighty of your images, preferably those without people in them. (If you cannot fittl eighty people-free mages, souther up eighty images with people in 11th of them 1 Set them andefor a moment, and take a sheet of blank paper and alraw rix columns on a At the top of each column, list one of the following line, shape, form, textme, pattern, and color. Noty, begin ktoking at your pictries, one by one, with a critical eye. Carefully study each one, and make a check mark in the columns that best describe the elements that illominate the composition. It is more than likely that one or pos-Filly two columns will have name check marks than the others. Consciously, we all favor ceretin design elements. Both the content and the strangement of your pictures reteal something about your psyche-assuming, of course, that non-reason for taking pirtnes flows from your own leelings and responses to the world protend you, and isn't simply an attentift at diplicating someone else's siyle.

Take notice of which columns have the least check ittaks. These are poin "weaknesses," so grab you camera and fread out the door with the goal of creating imagery that additisses these weaknesses. Take only want telephoto or telephoto zoom. Either of these leases rethieses perspective, which enhances good visual design since the factor of depth has been eliminated. As discussed earlier, telephoto leases also have a narrow angle of view, which can further eliminate surrounding clutter and let you focus tut the specific visual elements you want to emphasize.

When I wrote the first edition of this book back in 1988, my line and pattern columns were heavily effected. First-forward to the year 2003, and I have, for the first time, on equal amount of check males under all of the culturity—and fin the first time that includes the texture cultural Mastering experienced These principles of design will be a liberating experienced These principles will allow you to chart your course and set sall on an needo of ideas.



hile standing in a line outside a Hindu temple in Singapore, the women in front of me presented a labulaus composition with her long black line. of hair rankosting against her bright atange sari. Since she was a bit shorter than me, and so that I could keep the line of her black hair parallel to the film plane, I squatted down just a bit before making the photo. It was easy to do this since I was holding the comerc and not using a tripod

It might be a bit unnerving for some photographers to take this kind at shat for fear the wamon would turn around at the sound of the comera shutter going off. If she had (she didn't), I would have simply explained the reasons far my enthusesm and hoped that she would have been flattered. Although I believe in asking first before taking someone's picture, there are subataians in which the timing wan't allow it.

[35-70mm lens, 1/250 sec. at 1/8]

t the vix elements of design—line, shaps, form, texture, pattern, and cohe—schielt is the strongese Line without line their san be no shape, in thour shape there can be form, is the out line of shape, their can be no texture. And, in the

A line cut be lung or shan, think in thin, it can lead you amp or move you forward, it can be tell as residul, ngid, active, soothing, or threatening. The entitional meanings of lan cannot be corriboked. Some of us experience a thin line as sickly or unstable, and yet adients see it as sexy, care, and voluterable. A think line for some may leef stable and rehable, but for rathers unhealthy and strin.

In nature, rurulinear lines dominate. They are thround, the turns, the surf, the domes, the fulls. Curulinear lines are experienced by attest as soft, gender estiril, and relaxing, Juggerl lines are also present in nature, the must obvious being mountain ranges and their peaks. They have also shaped much in history, as wars more lought with arroits, knites, spears, and swonds, Juggerl lines can be experiently as sharp, dangerous, furceful, charone, and threatening. Even the intestor in Wall Strest is all too familiar with the datas satisfied by the juggerl line.

The diagonal line crokes feelings of noncement, actually, and speed, it is subdy it is declined. The cyclist knows the diagonal line presents a challenge going up and the exhibitation of speed going doing. The diagonal line risill always breatherform on otherwise static composition. Being reasonated in the subde technics associated with lines will allon you to manipulate a photograph's entotional impact.



hen fooking for sublect matter, nature is after the clear choice for most outdoor photographers. Perhaps that's why I especially like to challenga my Internet shotagraphy students to apply their learned techniques to "unlikely" subgects in "unlikely" locations, and the local jurkyard or wreching yord continues to be high on my let of these spots. I cought sight of those wonderful tines of rusted pipes standing in on old rusty berrel against a book ground of an equally rusty piace of steel sheeting. The early maining stidelight and lite esulting shadows creatly size depth.

and also empharized the texture of the unusual subject, Note, olso, the diagonal lines formed by the background trist. This combination of three and sidelight creotes on image full of texture, movement, and depth.

[80-200mm fens of f50mm, 1/123 rac of f/16]



lihaugh tha 5 curve occurs abundantly in nature-far example, a meandering stream-ut's also evident in the man-made roads and trails of the coun-Iryside Considering that this is a flat landscape, someone had the 'campositional faresight! to build this road in the form of a simple S curve through the particuland of Bavoria, Germany. Clearly, the road could have been built strataht sinca thare ara na rocks or trees to avoid

When I saw this scene in my rear view mirror, I felt campelled to stap the car and phatograph it. With my camera and Nikkor 300mm lans maunted securely an a tripod. I chase an aperture al f/32 for maximum depth of field and then simply adjusted the shutter speed to 1/30 sec. This image was later used by Valkswagen af America in their 1996/97 new-cai catalaa rhat was sant to all the doalars. Valkswagen didn't buy the

use of the photograph fram me directly but fram my stock agency in New Yark When I made the Image, I certainly did not hava Yalkswagen in mind—I simply wonted to capture and convey the meandering, carolina, and strers-free rood. You just never know if, when, how, ar by whom the images you make loday will never be used.

[300mm lenr, 1/30 sec. at 1/32]

nlike the S curve of the road above, note the power of the two converging parallel fines formed by the rows of treos flanking this straight road in West Freisiand, Holland This direct type of line is often associated with the business world. The message is 'alay the caurse, keep your eye on the goal ahead." There's no slow, meandering message here! It knows where it's laking you.

(80-200mm lost at 135mm, 1/30 sec. at f/22)

owhere can are find more man-made diagong! lines than in the industrial world. While on assignment in Nevada for a gold-mining campany, I photographed a wasker on a nearby conveyor. There's a lat gaing on in this Image, compositionally speaking, and much of it is due to line. the ballsantal line at the battom of the leams anchors the many diagonal lines that are "free" to move without fear of "callapse." Additionally, note the use of the triangle shape, which frames the background truck, It's clear that the truck is in an active state as indicated by the diagonal line of its bucket.

[80-200mm lens at 200mm, 1/30 sec at f/32]







lantena this spansin ridy presents itself, I leve to shoot leaking down on my subjects from above-the higher of the Latter I was bired by a their feet indirectising agrees to shock screntl ods for a new arthren drug, and one of the nds on led attention to the ment for tall healthy did in combination with the drug It was decided that on ever hand ment of a hun stand write the meetal booms from and regulations would be retar of theat ords. Francisco hery difficult it arms seeing to for to hard on incremented high and vogetriale stand, me decided to trents our time. Sorting of Whiles in a large parking lot, with it roul first and vegetable stand only bly heet array, me laringht and then annuged the tunious hurts much vegnitulates on a world narmitly find

From alog a trighty feet stephadder, I began to shoot downward with my campra and 35-Zümrn | Ekkor lens Write my apertare and to MI I and a shutter speed el 1/250 sec . I fined off a tumber of horizontal and rentical images similar to the termine shown at left. I also mak ir mumbar of miniges. with the criners forned by o dingrand position (organita page). It's cloor that the strong diagonal placement at the space sepresting the slands croutes a much more milite competition. It was my leading that if the drug held the promise of making en urthritte pertient more. mabile fund therefore active), then the meade thairld convey that, as real.

[lattered appearing 35-70mm] lens, 17250 sec. at 1/11]



Shape

hape is mine limidamental than front, textur, or patient hermine shape is the principal element of identification. You may thank join ontell a fragatit rose, but until juin for its shape, with early make a positive identification. You may be an acree roose on the ratio, but intess tim artifally see the openker, who knows if he in she has that over chapt?

From prehistoric through analytic futier, man's need and alphy to identify objects for shape has endured. This alulity—or lack thereof—provides, alternately. services and anxiety if the cargonan could into readily identify the shape of that herd in the lumzon, he very well nuglit have malked right into a family of Saberuntheil tigers. Huring World Win II, if soldiers Imm differing munuries hadn't had different behinets, they might have railed up shimting at their own romanhs. As the thape of the car mottes over the most on the horzon, principle from relax knowing that, although she armed later than planned, your claughter has retinized funite rately front college, Honor minures play off nor anxiety about the shape of the miseen, and more have a standard script that leaves the attorister moseen for better effect. No ring actually sees the creature, leaving the Imagination to ram wild. The audience traits the "Burg identified, because seeing its drape mount finally terbice, if and eliminate, everyone's anxiety

When composing a photograph that depends printarily in shape, there are several dungs to remerther. Pirst, shape a best defined when the inhiert a frontil in bankhi secondly, there rhould be a strong contact between the shape and its surroundings. If you must to those exhibitions the above and institute fishorting, as well as plant collisions and several minutes fishorting, as well as several minutes before course, and several minutes after Front and texture both ranich at these times, learing only stark outlines and profiles against the sky. The otherwise is the purery of all shapes, so it is not corporing that allocates containe to be the nitot popular shapes to shoot.







here was a time when it reemed all lever shat wore rehauattes. Although I don't rhoot rilhouelter with the romo forver today, I rtill enjoy making them. While vocationing on the island of Mour. Hookad forward to rhooting a rtark and graphic coerporition of my wile Kothy holding up our doughter Chloe against the rirong backlight of a runrel. Ar you can see, of thir time of day form and texture have all but vanirhad, leaving only stark shaper. To fill the frome with only my wile and daughter against the ratling run, it was necorrary to change to the telephrote long The use of a 400mm lens for lle top mage, apporile, cleared out the clutter seem in the mage below it and laft me with a frame that war filled with my wile and child

It's also important to note the added those of the run. The circle is by for the rtrangest thape it can symbalize not only life sun but the moon, Earth, and planotr, and it avakar feelings of completion, universality, psychological wholetress, and warmth A circle will oftentimer unify a composition by providing a contar of power, and no circular object in more powerful than the run To got the top image, I mounted my comere and long on a tripod, set the aperture, and adjurted my thutter speed will the comoro pointed at the rky to the left of the sun. I than recomposed and shall the ricene.

[Opposite, top: 400mm lenn, 1/250 sec. at I/11 Opposite, bottom: 35-70mm lens at 35mm, 1/250 sec. at I/11]

r the run was nearing the horizon, it illummate ed the buildings along the Science River in Lyon, while the rmall feetbridge war cart in rhadow Thir rlork contrort between the strope of the bridge and the vory colorful, brightly lit buildings was cometiming I'd always noticed, but it was several months before 1 felt compelled to photograph it. Thir time, I noticed a couple poproaching the bridge 1 noticed by Ilreit hand gasluros that they appeared guite enthused, and the man wor also conving on apened umbralla. It struck me or odd to see sameana with an opened verbrello on

a day when there war no trirk of rain. I brake out my comoro and lenr, and maunted them both anio my tripod. I then framed the section of rithoustiad bridge anto which the couple would soon bo walking.

hitle drift | expect to see what happened next Ar they came into the frame, they rathed to rpin in a circle, complate with the opened umbrelle, or if to donce in the farkion of Frad Arlains and Gingar Rogers it was soon over, this "donce of life," and on their merry way they went.

[80-400mm lonr, 1/250 sec. or [/11]

Form

asically, form is seen in three dimensions, while a shape has only two. Form assures us that an object has depth and exists in the real world. Since cummuniciting fairly depends on light and the resulting shadows, its best to photograph a subject understining sheep and sidelighting to reveal its form. The contact between the light and dark areas of a sidelit shape give it form.

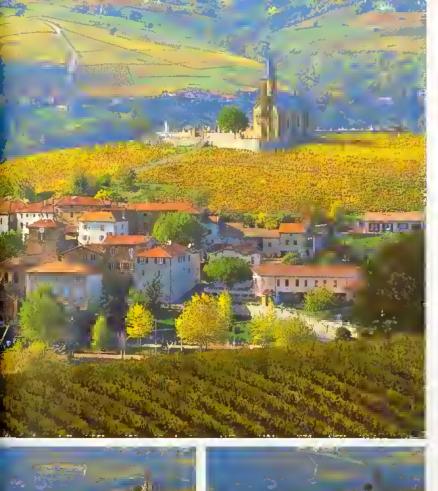
Squares, rectangles, triangles, and circles evoke different emotional responses. When the forms of these shapes are revealed (usually with sidelighting) (their messages are amplified. A backlit circular shape represents wholeness, yet when photographed sidelit, the form is rescaled and the crivilinear shapes that result take on sensital mranings, reminding us of the Intuition form. The three-dimensional forms of rectangles, squares, and triangles singgest the man-made world.

> hen I made this selles of alchires in Beaujolais, France, the sky overhead was filled with puffy clouds lingering from the early marning rain showers. As each cloud possed beneath the sun, o big shadow fell across the landscape, covering portions of the scene. As the cloud moved on, this shadow also moved, alternately cavering and revealing the form of different areas of the landscope With my camera and 80-200mm lens mounted on a tripod, and with my aperture set to f/16, I adjusted my shutter speed until 1/125 sec. indicated a correct exposure for whichever port of the landscape was in the light. I made a point to shoot more than a dazen shats. each and uniquely different due to the subtle change in the landscope's form coused by the cloud averhead

[All photos 80-200mm lens, 1/125 sec. at 1/16]















andscape photographers know the importance of form and shape. Both one aften vitol to the success of a landscape image. Sidelit landscapes are most aften preferred, since sidelitying reveals form better than any other lighting condition. In this series of photographs, I began near the edge of this field of ratled

boles of hay, and chose a sidefit point of view and a composition that emphasized the dramatic sky Handholding my camera with 17-235mm lens, I set the aperture to f/16, adjusted the shutter speed to 1/125 sec, and made the first expassure [opposite, lap]. I then wolf-de further into the field, getting claser

to the boles, and made another photograph (appasite, bottom). Then I moved even closer until one bala filled almost half of the lower portion of the frame (belaw). In all three photographs, form and shape dominate the composition.

[All photos: 17-35mm lens, 1/125 sec at f/16]





Texture

erhaps no element of design is more capable of exading deep emotion than textune. Even if you only witness someone being thrown from a bicycle, a chill goes down your spine as you see the person skilding, hands and face down, across a gravel pathway. In our dark language, we use texture to describe most everything. A rough day, a soft touch, a sharp mind, a dull movie, a sticky mess. A woman's soft voice may arouse delicate or vulnerable feelings, but a man's gravelly voice may elicit fear or feelings of aggression. A hardnosed boss seldom wins the affection of employees, whereas the smooth-talking boss often does. These are just a lew examples of texture's influence.

Although we use texture as a means of describing events in our lives, it's not as readily apparent in photographic work. Texture, unlike line or shape, doesn't shout to make uself known. Of all of the elements of design, it is the one element that is most oben "hidden"

The challenge in seeing, as well as conveying, texture depends on one central element lighting. A compelling image of texture—unlike line, shape, pattern, or color—is dependent on low-angled sidelight so, its impensive that you search for texture on somy days in the early morning or late alternoon hours. Although some texture-filled compositions are obvious, like the sideligh fair of a tree, others require much closer inspection, and you may find your matery lens getting lots of use.

Once you begin to see—and compose with—texture you may discover its other use in creating compelling landscape imagery. As a foreground element in a visit compositional landscape, texture can arouse a heightened emotional response from viewers as their sense of touch is ignited.





hen I awake one morning, I had frost covering much of the windows inside my house! And why not, since the house I was living In at the time had a broken all futnace and the temperatures overnight had drapped to single digits? As one who believes that when life gives you lemons you should make lemonade, I was quick to grab my gear and shoot these magical details (apposite! With my comera and Micro Nikkor 105mm fens an a tripad, I moved in close on a number of frosty taxtures. With the lons and comare parallel to the window. I chase on operture of f/11 and simply adjusted the shullei speed to 1/30 sac.

[105mm lens, 1/30 sec of //11]



hile awaiting the sunsel along Olegon's central coast. I look nate of this small trickling stream of water that flowed out of a nearby sandstone cliff behind me. The warm late offernoon light and the blue sky overhead were reflecting in the water as it cut a meandering path through the sandy shareline (left) With my camera and 80-200mm lens mounted securely on a tripad, I zoomed out to 200mm and filled the frame with lexture (above) For maximum depth of field, I set the operture to 1/32 and adjusted the shotter speed to 1/30 sec.

[Top: 80-200mm len) at 200mm, 1/30 sec at f/32 Bottom, 35-70mm len) at 35mm, 1/60 sec at f/32]

hile on assignment for a mining company in Nevada, I was shooting same distant scenes, positioning myself on this walkway of a rather large autdaar canveyar After I had completed my shots, I headed back down the walkway and couldn't resist the industrial pottern that lay at my feet. The mere thought of walking or, better still, running barefact up ar down it sends a chill through me. Such is the power of texture-made even mare evident when "amplified" by pattern. With my comera and Micro Nikkar 70-180mm lans mounted on a tripad, I gat down law and filled the frame with the walkway pattern [below]. Once you begin to see and compose with texture, you soon discover other ways to use it in the "bigger picture."











A lang the south shore of the island of Maul lies Makenna Beach, but fortunately lor me, the evidence of its popularly doesn't begin to shaw until shortly after 10.00 a.m. Arriving just after sourise, I had the beach all to myself. I spent lifteen minutes or so watching the

incoming suef, discovering its pottern of creating a much bigger wave every lifth wave. It was this much brigger wave that held my interest, as & was the anily one capable of truly caming ashare. Halding my camera and fens white lying on my belly at the edge of the sandy beach, I was ready.

and began firing at will ance the fifth wave broke With such a large parton of the frame filled with the review of the beach and the remnants of ocean surf, it's no surprise if you feel like you're at the beach.

[17-35mm lens of 17mm 1/125 sec. of f/22]

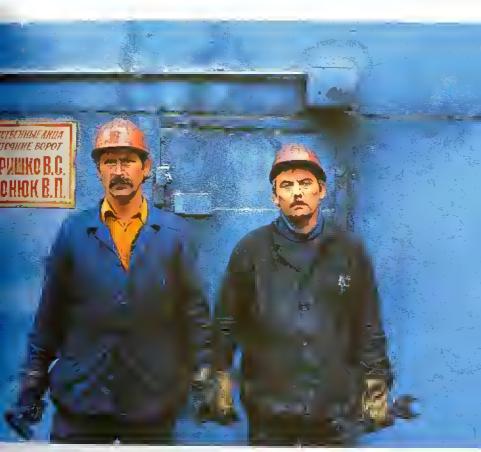
he opportunity to elicit o strong emotional response with texture presented itself in the harbor town of Leeuwarden, Halland. I caught sight of a large fishing net hanging from one of the many boots in the harbor and chase to lill the frame with its texture while also framing some of the houses in the background (right). The rough and somewhat abrasive tex-ture of the net calls attention to the rough and sametimes harsh and abrosive life of the fisherman. I set the focal length to 35mm and the agerture to 1/22 so that I would render everything sharp, front to back

[35-70mm lens of 35mm, 1/30 sec. of 1/22]









exture as a background can most often produce on exching and emotion-tilled composition. A simple road sign with a wall of texture behing it (opposite, bottom) elicits a strong response I doubt if anyona would think this road sign is out in the countryside; the man-made feel of the back-

ground texture leaves no doubt that this sign is in or very near an industrial area.

Similarly, even without the addition of two Ukrainian street mill workers (above), the heavily textured wall behind them would strangly suggest the industrial world if you were to place these same two men against a

background of autoffacus green lanes, the image would not have nearly the same impact. Such is the strength of texture in its ability to spark our senses.

(Opposie, batam, 25-70mm lens 1/105 sec at I/8 Above 35-70mm lens, 1/60 sec at I/8)

Pattern

is months fellowing my introduction to photugraphy. I found myself expending a level of enditivizes that seemed to little no little. On one paramulatiday, I was focusing my camera and lens on the boght red tumato and iteep green rucumber slices that I had fust prejuded as just of my little during a camping trip. The combination of the colour, the texture, and most of all the pattern caused me to shoot more than several rolls of film

Hater realized that this "discovery" not only lead neto more and more pattern-filled opponuntiles, but that it also recealed some inner psychology about myself. All the elements of design eligit some very pratound emotional responser, and for me, pattern had the uncanny altility to evoke emotions of stability, converency, and belanging. It also felt sale, secure, and reliable hecause it it as jugdiciable. Whether on the job or at home, all of in have some degree of predictability. This predictability is expressed as patternt of behavior. A burglar looks at patiety at a means to eucceschilly (teal from you ishile you're areast at twork, the detective looks for pattern as a means to exputite the burglat. A psychologist looks for pattern at a may in helping us understand our heltarior, while a parent becomes accustomed to the pattern at the neurborn Waltout pattern, our world ivould be pure chaor.

Several years following my encounter with the cliced mutation and rucumben, I made another discurery altout pattern. I had atrived early in the morning at Indian Head Beach, a few utiler north of Cannon Beach. Oregin. The moining dilizzle had brought a shiny glase to the digusands of aniall, rounded tracks that correted the shareline-pattern in altendance, to be sure As I malked atop this patterned display, my eyes caught right of a leather lying among the founded rocks. I was quick to teach for my martir lens, anticipating a faintefilled with a portion of the feather and the eight or nine randings that had collected upon it. But, it. I was separating the legical my tripod. I was ruddenly but with the realization that the better that was all the pattern created by the round and dark-colored rocks in marked contrast to the lone and angular white feather. Since pattern is sa predictable, that which disrupts its thythin and harmone will get your undivided attention--just like a crynig balty in chinch





health food store. I was greeted with a possing rain shower. Cought without an umbrello, I took cover. under a nearby gyernang. Following the few moutable

silicame out of a local liwait, i returned to the car illicameta and lets on a tiland it was then that my eyes. cought sight of this tiny "oil scill" in the ponting space next to mine I grobbed my geo from the trunk of the can quickly mounted my

pad, and moves in class. making zersa'n to Fillite. hame in a uniform manner

[70-150mm ers, 174 sec er Prito)



s I've already menioned, I love to have
any excuse to photograph loaking down an subjacts, oftentimes from much,
much higher vantage points.
Although I spend a great
deal of sime walking upon
his goad al' earth, my mind
is often asking, "How would
my surroundings look from
averhead?" After walking
along the very popular
Bondi Beach in Sydney.

Australia, I felt that the conswer to this question would be simply amozing, but then came the even more important question: Could I get a helicapter rental an a Sunday, and would a helicapter be allowed to fly above this beach or was it a restricted zone?

Two hours later I was airborne and having the time al my life. With the back possenger door slid wide open and the safety harness secured around my shoulders and waist, I didn't hesitate to lean out the open doorway and make a number of exposures of the varied and random patterns of people and things that lay an the beach below me

Renting a helicopter is not cheap, of course, for my ane-hour ride 1 coughed up \$900, but within three months of placing this photograph with one of my slock photography agencies, it had sold on three different occasions for a combined total of \$2,700. At this writing, that number has increased to more than \$18,000. This certainly proved to be one time when Investing in a helicopter rental reaped big rewards.

[80-200mm lens at 200mm, 1/500 sec. at f/8]



from a nearby hilhop overlooking the city of tyon, France, I was able to shoot the pollent created by these tooltaps and chimneys, which were lit by the lawangled sidelight of the saanta-be-setting sun (below). With my cameta and 80–400mm lens mounted on a tripod, I zoomed aut all like way to 400mm. As holds true for many pattern images, this photograph would make lot a most challenging puzzla

A similar subject—the tooftop of the city half in the Getman town of Nordlingen—is covered in tiles that form a very striking pattern (bottom). To fill the frame with nothing but files would have no doubt resulted in a harmonious and hythm-filled camposition, but I chose to "disrupt" the potents by including the town

clock in the start. Supported by a background of harmoniaus color and shapes, the clock now finds itself "conter stage." Again using a hippad, 1 set file local length to 300mm, and I chase an aperture of 1/32 for maximum depth of field.

(Below: 80-400mm lens of 400mm, 1/00 sec of 1/16 Bottom: 80-400mm lens of 300mm, 1/30 sec. of 1/37)







hile phatagraphing down on a small group of Pamingas of the Jurong Bird Park in Singapare, I was in lar a pleasant surprise Shartly ofter making saveral images of only flamingos, an orange this flew into the scene, interrupting the pattern made by the flamingas. This 'disruption' immediately became the scene's center of attention.

(35-70mm lens of 70mm, 1/125 sec. of [/11]

hile on assignment in Singopore, I spent severol days in Little India photographing many at the peaple who live and work there. I noticed one man sitting out in front of his shap reading a newspaper. Fallowing my request to take his picture, he abliged and I simply framed him in bont of the potterned background against which he was already sealed Since he 'disrupted" the pattern, he become the focus.

[105mm lens, 1/250 sec. of 1/5.6]



Exercise: Recognizing Pattern

In my purlocation photo revisalings, as well as in my Internet photography content. I always sing-gost first that each student start looking for put-tern-filled approximates. Since patterned reimpusations are abundant, and since they can other be seen as playfill, this is a great easy to begge one's pointer area explaining the elements of the gar—and, you don't have to go far at all.

If you're confined to the house he are reason health, parenting, or indement it eather—don't despaid Set up a small card table (in even use the katchen (able) next to a large trending Consider through sizers are noted the table (below). Use you tripned to get intages that are as sharp as possible More on twer to the stacked dinner platter and make a patterned trimposition of their edges. Or arrange those eight drinking glasses in a pattern and till early one male water (white putting several drops of food column in them. Then, look down our them and arrange a robustul pattern of circles.

And, item't lorger the patterned comprision of drinking strons that first can take with your macro



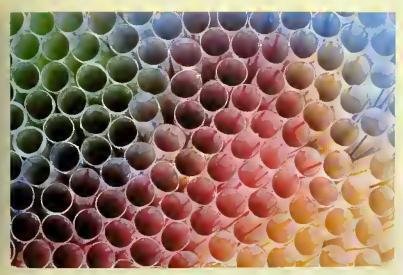
what to a south-fracing window, I set up my work-out card table with a blue glossy board on top. I fell this addition of color would bring needed confrost to the sulverwore that I was about to dump on the tabletop. With my cometa

and lens an a tripod, I looked at the scene before me and, ofter doing some minor rearranging, lilled the frame with the patterned composition I was seeking.

[35-70mm fens, 1/15 sec at 1/16] leasure with the addition of an extension tube on your 35-70min zoom lens. I can think of at least fire mine ideas just in the kitchen. Can you? When you're ideas just in the kitchen. Can you? When you're little in that ioout, consider the preadle of new stoff that marks out in the garage! Expand your search for potential plintographic subjects to that markets and wrecking yards, in simply walk the storets. If it's raming take inter of the many patterned compositions of undoper atop the related can broods. Investigate empty parking sparrs and discover the numerical spills," due often him three (page 69).

And of rourse, nature and agriculture are great sources of patterns fruit and regetable statuts (see the images on pages 51 and 55), firms, flowers, and orchards to name just a firm. In fact, if there were an arrard for the best location for patient. I would have to give it to those outdoor briti, repeable, and flower markets that are a permanent fixture throughout much of Europe, us well as along the bach roads of America's familiands. (Note When identify at many of these middoor markets throughout the world, than thing a migool. You—and others—may trip over it.)

The potsibilities for plintingraphing pattern are endless. Althringh your effecter subject may be ruding more than a build of red peopless tas in the image on page 10, a very might yet graphic composition will make you take mitter. Pattern & exergirities, if put take the mite to look.



n a neoiby kitchen ounter, my wife had just placed a new bax at straws for the kids following her tup to the pacery store. I grabbed them quickly before the kids could disturb them, and placed them on the lable. The pattern appor-

lunty was abvious, but I needed my mocru bens hall the frame, since the orice of multir alored strows was no brigger than three inches square. With my camero and Micro Nikkar 105mm lens mounted on a tripod, I moved in close, filling the

frame and shifting the comero's plane so that it was at a slight angle to the ends of the straws (rather than parallel), bringing a sense of movement to the composition, as well

[105mm lans, 1/B sec. or [/22]

once time ago I mas sixting in a local cofé in Lyon, France, reading the day's nears in the International Hand Tribune. Several minutes following my stearal, two young men walked in and tools a seat within earstor of me. What ranght mt anention was one young man's overstuffed camera bag and the two Nikon Floos franging from his neck. He was either a very senons amateur or a reasoned professional. Oret the course of the next thirty nititues, their discussion centered around photography, and of all that they said, one cumutent made by the man with the gear stood out the most "Color is so obvious. Where is the supprise in that? The real art in image-making lies in shooting black and othine."

This is neither the time nor the place to begin a debate on what constitutes an in photography, whether in color or black and white. However, this is the petfect opportunity to address the fact that color is indeed obvious. It is so obvious, in fact, that many photographers don't see it at all! If people wall; sure color, they would be far too constituted by the need to shoot color if only for color's sake.

To really see and become an effective photographet of color there's much to learn. Color has many, many messages and meanings. You must also become award color's yourd weight and the subsequent impact it has on line and shape, as well as its traied lines and tones.

Perhaps since the advent of language, man has integrated color into language. 'Feeling lifue?' "He makes nte see red! "I'm green with enry," "The whole towns come down with yellow feren," "We got the red-carper treatment," "He received the purple hear." "Are too going to warth the Orange bowl!" "He hought them on the black attaket," "She was as white as a ghas." "Xothing hur yellow journalistit," 'He trained blac."

Although the subject of color is deserving of its own book, if not a ryhole set of encyclopedius. I will limit my discussion to the primary (red, blue, and yellow) and discussion to the primary (red, blue, and yellow) and secondary footnge, green, and riblet) colors. Primary colors are called steb because they caunot be created by nixing any other colors. The mixing of any two partnery colors results in a secondary color Mixing red with blue makes riblet, mixing ted with yellote makes omnge, and mixing blue trifft jellow makes green. Color is often discussed in terms of temperature, with reds, jellows, and oranges lassociated both the sun often described as warm colors, and blues, riblets, and greens. Jassociated with wrater and chadows) often described as cool colors.

Red is known as a passionate and powerful colm, it is the color of lone and the 'pon erite' in the white-collar modd, it is stituulating, exciting, and motivating. It is control, rage, and power. It is the eolor of blood, stop signs, and brake lights, it is also the eolor that advances the most of all colors. What this means is, if you were to place red, orange, yellow, green, bline, and riolar signs in a field all at equal distances from you, the red sign troud appear eloser than the others.

Two Sets of Primary Colors

The primary colors that I refet to in the text licite—red, libre, and yelloy—ate known ac submactive pointary colors. From them we get the submactive secondary rulor—trulet, orange, and green. The submactive color system involves colorans and reflected light, it most pigments applied to a surface to submact ponions of the white light illuminating diar surface, and in this may produces colors. Combining the submactive primary trolors in equal pane produces the appearance of black. Color running, cubit photography, and all color printing processes use submactive color.

Horrerer, there is also another set of primatics called oilditire primary cobis, which are ted, green,

and blue. From those in eigen arhitime secondary only seepan, magental, and yellow. Addition color involves light emitted from a source before it is reflected by an ubject; it cams with darkness and adds red, green, and lifne light together to produce other culture. When combined in equal pane, the additive primary colors produce the appearance of a lifte. Television seneens, computer monitors, digital and rideo currerus, and flathed and ritten scanners all note the additive periods.

Again, its the subtractive colors that I'm alking alternative here treed by musts for crutimes, and they are the ones you should keep in mind other working with colors.



he color wheal is on ordered orrangement of twelve subtroctive colors that helps to show their rate. tionships to one another. For example, pairs of colors that foll opposite each other on the wheel ore colled complementary colors; when placed side by side, these poirs complement and intensify each other. Also, each primory color falls opposite a secondary color, and each secondary color folls somewhere between the two primory colors from which it is mode The relationships go on and on Studying the calor wheel can help you get o better feel for colors and how they offect one onother.

Of all the colors you can place with red, blue would infer the greatest contrast, in large part due to blue being one of the colors that recedes the mon. Blue is the infinite sky has a cool color, able to calm and nurture. It's refreshing, soft, safe, and dependable in is sensitive and pertreful. Blue sheets "feel" rooter on a hor summer day than do tan approof, or limton yellow sheets. Yellow is light, it is playful, creative, and warm, it can also represent cowardliness and illness, it is, like red, a rooter that advances.

Orange has the distinction of being the only color that shares its name in that fault, and because of this, the rolei orange soon became associated with fruthfulness. It is fire and flames; it is warmth, it is the sun, it is hes, health, rigor, excitement, and adienture. Orange results from the blending of red and pillon; a perfect fifty fifty blending results in a "perfect" prange. Orange, like red and yellow, is also a color that adiances.

Green, the most iluminant color in nature, is surprisingly not a color necessarily associated with harmony and balance; it is a symbol of liope and recovery, and of freshitess and irrieval. Think of the many given buds of the trees following the harshness of winter. It's a symbol of firminy, as exemptified by the many bridgs who ryore

green drang the Elizabethan em. It's a symbol of growth as well as abundance, It's also the color of alean, enry, seasickness, and pilegm. Green results from the blending of yellow and blur, Like line, a recedes

Violet, or purple, is symbolic of rogally and Christianty think of the purple robes of kings, queeus, and priests). It commands respire, signifies wealth implies leadership, and connotes spirituality. The origin of purple as a rlyr guess bark to ancient Greek times when a species of mollisk ivas found to right—through an elaborate and expension process—a dire subsequently called Tyrian purple, rightch was so expension only the wealthiest could afford in A blending of ted and blue, riolet is also a recessive color, even more so than blue and green.

So, where does one begin to look for entor? Many ontiloor phistography enthusiasts will head for the monimins, deserts, beaches, or forver incidency, if like a lew others that their search on city streets, in allerivary, and even in anto overchain gards. Regardless of where your search takes you, make it your god to shoot compositions that first and futuriost say rolor, is opposed to landscape, flower, portrait, or building. I

after suggest to my students that whenever they choese to search hir culor, they begue to the so with the stell of a tele-marry levs. Lina hig fair of the Sikken 70 198 min intro-fere, but any tele macro fens tor modernic telephoto with a macro feature or relighbor read with

It has force any experience that narrowing your search to the much smaller 'marger' world will, or bet, result or a much higher success rate. Almost without hal, many of any students who do this seem this over than

they reserring culor pussibilities not just with iter-lossop repajation. Dur also with their being relepholos and their wide angle zoom leners. Our students remark hillowing several days of shorting color with her maces ferre purisolity hest soms up the feelings of most. Ther like Loranis The discovery of culor has availe medial.

As I suid raifier, rolor to so obvious, and just fixe the an we breather it a everywhere. A path toward creams image making frenchts from a morth fighter awareness of the rolor that community you.



ou don't have to go for to find the collection It is most dominant in the spring and summer in both ogriculture and noture. it is raidly found in the mail made world hollowing on engling of Juin, Lawake to a mouning of clear stries. simply headed but my libit dues with my camera end Micro Hikkor 105min lens, diopped to my belly, and was soon immersed in a multipale of green times—the deviloden stems of the guiss in my ewa front vaid

[105mm km; 1/195 soc at #11]

there would the world be without flowers? For clura-up photogrophers, it would spell nothmy short of doom and gloom Of all the flowers the amoveur photographer chaoses to shoot, none is more favored than the race. When the ruse just begins to open, one can find truly sensual compositions, so several days ofter giving my wife roses, I paid special attention to their opening buds. With my comero and Micro Nikkar 70-180mm lens on a tripod, I moved in closer until I had lilted the entire from a with the vibrant red color and curvilinear lines.

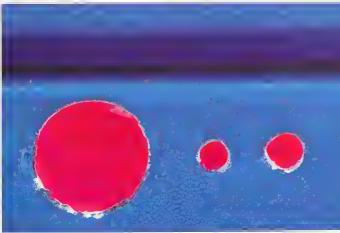
[70-180mm lens, 1/15 sec at 1/11]

I ve said it aften, and Di long as I've got students to reach, I'll probably continue saying II. "First and foremot), make II on obvious platue of color!" Rather than looking for rocks, Isaves, wees, waterfalls, binds, flowers, fire hydroals, studish, bools, archards, or birdges, cachards, or birdges, cachards, or birdges, cocas your energy and vision on red, blue, yellow, arange, green, or violet. Color first, content second!

Color is everywhere including this graphic obstract image of, simply, a holey section of blue harmburger stand in frain of a rid car. With my careera and lens an a tirpod, I chose a viewpoint that hapt the camera parafiel to the subject

(70-180mm lens, 1/30 sec of 1/11]





can't imagina anyana making a visit to the small island of Butana, Italy, and not coming away with shats all vivid color. It's apparent within minutes of disembarking from the ferryboot that the people of Buiana love ralai. Over the years, I've been captivated by a host of different subjects and shall numerous ralls of film as a result, but Burana is the current record holder for me. At the end of my threeday stay. I had shall exactly 117 tolls of film!

I made this image when I lumed the corner of one small street and heard the sound of children's laughter. Several hundred feet ahead, Iwa boys were playing with a socces ball in frant of the most calesful house in all of Burana, Although this was in a vary marrow alleyway, by using my 17-35mm lens I was able to create a composition with the house and the two boys playing in front. With the comerc and lens mounted on a hipod, I chose an action-stupping shutter speed of 1/250 sec.

[17-35mm lent at 20nm, 1/250 sec at [/4]







y daughter Sophie Is not fond of honey-bees, unless they're part of a stary about Winniethe-Pook. Despite my teperated assurances liter the bees were too busy making honey to bother het, she tefused to stand still in this meadow of lavender so that I could take her partrait. Always keep that linger on

the 'trigger' as you never know what may happen met. As she ran down the row, heading for the safety of the nearby car, I managed to record but one successful image—and I personally love it! (Note: The other bour exposures that I fired off were either a bit out of focus at the composition was a bit off, If I had made this anne.

image in a field of red fullips, while douses, at yellow daifadils, would it have been as successful? Probably not. Due to purple's strong associations with royally, this little princess is right at home, despite her many profess to the contrary.

[50-200mm lens of 200mm 1/1000 sec. of 1/5 o]



alots can make a splash—literally! The cantrast of the yellow boil (an advancing color) against the blue water (a seconding color) serves to strengthen the lealing of depth in this image.

Asking one the neighborbood kids to 'model" for me was a relatively easy propoiftion considering it involved swittening in the pool Standing atop a tively-foot stapladder enabled me to shoot down into the pool Halding my camero, I adjusted the satings. When I was ready, I yelled "Action!" and, as instructed, Danny launched into the pool with the bright yellow ball tucked.

under his belly. Over the course of the next thirty minultrs, Danny rapealed this scenarro his me a number of times—108 to be exact! I got a number of winners, and this was one of my lavorite exposures.

[35-70mm lens or 50mm, 1/500 sec of f/8]



hila canducting a photo workshap in Singapora, and of my studants walkad taward ma with a wida and precoclous smile. She looked like the cot who had jux anien the conary. When she approached me, she askloimed that she had found a most compalling subject and wanted to see how! would photograph it. Onco we had walked back

up the road, I was quick to understand her elation. Sha had discovered a wandarful location with the primary colors blue and yellow, and a lone black chair. I was so taken by the simplicity of the arrangement that I had already shat two talls whon my student romarked, "How much film are you planning to use an the?"

I started to laugh bocause
I had been shooting at such

a last and furious pace, yet the arrangement was not about to disappear, and there was no fear of losing the light since the antira scene was under the appearshabe of the overhanging parch. I could have easily afforded to take it slow, but this is aften my response to images that move me

[35-70mm lens, 1/60 sec at //11]



learly paying attention to color and its emotionol messages is on important step toward developing photographic maturi-M. Likewise, so is poying attention to manachromatic color images. These are simply images comprised of shades of just one hue (color), or images devaid of ony colors and just comprised of block, white, and shades of gray The winter season is the most likely time for finding manachromatic images of the latter type, although I've shot a few in the summer-for example, two empty white racking chairs on a gray parch against a white house.

To record monochromatic images of winter snow scenes, you must plan on daing so an evercast days or while the snow is lalling, and choose subjects that are stark, dark shapes. That red barn you photographed last summer will never record as a monochramatic image on color film in the snow, no matter how overcast a day it is-but it will certainly make for a wonderful made of great contrast, with vivid red against all that white. Instead, choose something like these three windmills. which I came upon in West Friesland, Hofland, following several hours of snowfoll.

[17-35mm lens, 1/30 sec. at 1/16 for a + 1 expasure]







COMPOSITION



Filling the Frame

s a congree, I often hourd myself taking things apart just in see him praint parts there mere borne of any Cleanus Villacia um elestree, a mistr lambtimuder, a traitsistor sucher Potting it all back together mas nebet the challenge by me, so on many perasities I trould heat. 'Bryant' (Set out there and clean up that mess that made in the garage? Model rurs and amplantes niem a different story, however, I gut so exerned knowntg that I may about be open a bux of num, many bose pare, and that notical tube of glue, and a small bonde of paint or mo, Licas going to assemble these paid into a real thref ear act plane. But medice cars not amplitues compared to assembling those bandedups! Mr. braither and I must spent more than three moselo marking out oute, ever mindful of the minime details that go into fundding a stop

Photographically speaking there are two kinds of approximate those like the miss I left belind in the garage floor-pain can are all the parts and perhaps hethe and what orbide their name from, and dittee like the hauleship-erreathing in its place, lending its doubt as non-lightus. It's fair no sair that all plinting captions since tins and the "buildeship" composition, and achieving that and is often an intental battles flow is my point of tien-ShophH get down hw? Should I go higher? Should Lise the telephone or the mide-angle? Is this a good bank ground chairet should Eshoot at a siteff aperturer Isauslimiter speed slane enough? Shright Lemme back when the light is better? Would I be better off using un topod-Should Lacht a filter? Danin round: Danin chind! Rami mint! Darum car! Datum purver Inse! Despite this, inhat is the loggest compositional flan, that plagater most auxteur phonigraphers? The tailure to fill the frame?



with all of the laurinimen pags spread out all over the garage floor, for example, it's difficult, at best, to figare out exactly tyliat the subject is. The most aliebius solution, and by lar the easiest, is to simple take a sten or two closer to the subject. In effect, sweeping all of the lawnmorker parts into a central area. If walking rloser to your subject is out of the question-perhaps entire sibrem is a ignose grazing in a meadigit on the inflier side of the river-their you nitist resurt to filling the trante by using a langer telephoto lens. And yet, even after planning raphing the moose with the longer lens, don't be supprised if the final result is not close enough Whi! Because your lumin tricked you into beligning that rou did fill the frame. This trickery is, for some, a diffirult limitdle to tivetcotte.

Samply por, your brant is constantly blooking though ant of proportion, especially when you look through the turislinder. Your brain will make a very selective turinge magnification," deliberately sorting out the surrounding cloner. This repy quick "read" allows you to identify and kittii irlat it is ynu're looking at, in elfect "sedoring" you into seeing only the moose. Interestingly runingli, it is your bealn's ability to "filter out" this nisual plunes that keeps yan laim guing nuis

Let me explain. Throughout the day and into the night, tith vision and our lieuring are exposed to and bombarded with literally thousands of sights and sounds. Bather than go entry from this rustaught, our from has this reagned ability to filter but much of the "mose" that surrounds us, allowing us to concentrate our thiving the rai ar or conterse with others in a crowded mall in to eat and read the newspaper in a frectic restanrant, and so our. You can be eating and reading your paper and completely mass the lint stock up being discussed at the table next to you. And, you can be so friensed on that moose you have in the viewfinder that prin fail in see that its hind legs neede with several branches of a memby tree, or that it is really not taking up as much space in the frame as you think it is Let me add just one final comment about filling the frame. You can't carve a turkey if you're standing three lest from the connect Grt close.



utdoor flower markets (this one was in Amsterdam) ore great places to hone vous compositional skills, especially the art of lilling the frame On this outing, I proceeded to lill my frame with a pattern of tulips-or sall thought. Yikesl look of the "dutter" ground the edges of the list photograph (apposite). Not until I moved in clarer

(above) did I motch up my brain's vitian with that of the viewfinder.

Opposite and above: 35-70mm tens at 35mm. 1760 sec. of [/11]



3 () ()

Perything—and I do mean everything—in your newfinder that is million the plane of focus will incord on film exactly as you frame it, and that includes all the "climer" above, below, to the left, and to the right of the subject and, recepthing else that is not within the plane of focus could conceivably interfere in your compastion if you use the intendig perture. Since aperture controls depth of field, the area of sharpness may increase technical and in from inf you subject.

Su, before pressing that shutter release, inspert your itenfinder top edge to bottom edge, ngloedge to left edge. (If you're using small lens opening-f-11 f/10, f/22-depress your depth-of-field preview billion and then inspect the viewfinder.) Then close trunt eyes for a few seconds, picturing in your mind tylint you believe to be true, and open them again and look in the view finder to see if, in fact, this same image is in the vicinfinder Breie's no bener time to crop a bail compositing than just before you press the shourt release Photo softmare programs can do dus for you of rouse, but offer the fact. Don't you calue your time more than that Make it a paint to crop in the piewinder. As the saying goes, there's no better time than the present.

n a recent photo ossignment, I come upon this small lizard of Busch Gordens in Tompo Bay, Florido With my comera and 70-180mm lens mounted on a tripad, I was quick to zoom to the I 80mm local length and till the frame. But, as the first alternal above shows. I actually hardly lilled it it's a composition that leaves the viewer wishing to see more. (couldn't bring the Izard ony closes by zooming the lens since the lens was already set to 180mm; I had but one option, which is oftentimes the most obvious and easiest salution to filling the figme: walking closer to the subject As I did this, I made sure my sleps were, of course, slow and gentle, also making a point to keep one eye on the viewfinder to determine when I was close enough. In the closer version (right), the lizard lills the frame in a way that satisfies the viewer's curiosity and desire to see the lizard up close.

180mm, 1/250 sec of 1/5 61





The Golden Section and the Rule of Thirds

ince the limitate mind seeks milet, as response to chaos is one of munerline alarm and then the attempt to impose rader onto the disorder. Take, for example, the alterniah of a tornado, which is one of desiraction and often death. Remning in the scene from the salety of their basis ments, people begin to assess the situation, looking for shapes, colors, lines, and identifiable patterns to help them determine the extent of the damage. Within more mes, the mind a sum making order-borders are defined "Wr're got a two-block-wide path of destroetion that extends about a half a mile," for example. This process of the mind is completely involuntary and almost instantaneous

Whether it be a turnado in something as simple as assembling the parts of a model angulanc, the mind will the energifting it can to make order out of chairs Inurder to feel sale, the mind needs urder. This need for nider extends in art, as well. At its core, every sucressful painting is thre to an urderly and cobesive composition and pattern. To better express order and what they ich weie compositional ideals, the auciem Greeks devised a projunting guideline that is sill being used miday, the Golden Section. This referred to a rectangle reali limeri sides that were mughly two thirds greater than the shiner sides, for example a 5 x 8-mch rectanele. This purpurtum became the standard for much of their architecture, as ivell-



son, arisis in sterenlizing the systs preference for thees and usere laying an imaginary grid of tren evenly spaced horizontal and certical lines over this ideal resingle, diriding the shape line nine signal sections sho of the same ideal proportions. This imaginary grid became known as the Rube of Thirds, and artists would use if to help the sname optimization and artists would use if to help the sname optimization and artists would use if to help the sname optimization and artists mould use if to help the sname optimization and artists and their realized that how they placed important compositional elements in the respect to these there and their instructing points destinated the streets of an image, when improved things substantially. The fact that this extent is still in use triday to all of the graphic aris is proof of its termenty.

The Rule of Thirds is used in plittingraphic composition as iself as in pointing, or office more traditional mediums, because controosithit is just as important in pholography as it is in painting. To use it, in facilities look through your mentionly dutils the frame into thirds, built horizontally and cernally, and picture disintaginary grid over the image as your continue.

For pears now, It's wondsterfut by no camera manular turn has yet reads a risurfunder that offers a gold of thirds. I find it surply amazing that today's consens offer mide encrything but still no attristancement that a gold in the neithfinder Granted, the gold is not rapable of searching untrunque and mere-thefore-seen images, that ristl altrays be the photographic's lob. But, I can only intagine from many beganters and order method gold Nikon, Gatton, Minolta, and Pentax the offer gold-section options, but those golds are compresed of four honezonal lines and somewhere feel section than helping photographics keep honezon horse strught, these golds really serve no useful purpose





acing against the sunitse clack. I linally reached the top of the county-side obove the Rhine River in Germany I quickly turned of the main road and onto a small ane-lone road. When I found this spot, I hauitedly set up my camero and lens an a tripad and fromed this sun-

itse scene. As you can see by my placement of the grid of thirds, I left the interest was greatest below the horizon and so I allotted two thirds of the image to the land and one third to the sky.

[75-300mm less at 300mm, 1/60 sec. at //16]

ust like the Flemish and Dutch pointers, Have to capture the drama of the sky On on outing in the south of I rance, the sky had been conducting a wonderful symphony of lightning and thunder. I followed the storm east to west-finally slapping when I came upon this large field of sunflowers-and waited for a small poening between the clouds that would let same early morning sunlight down onto the lield below Since my interest in this scene had shifted to what was above the horizon line, I placed the harizon near the battom third of the composition by Ifling my Iripod and camera a bit upword

f80-400mm lens, 1/60 sec. of 1/221





hile on on ossignment for a carporate annual report in Nevado. I made this impace following sunset. As are many of the images made for a corporate annual report, this photograph was staged; ance everything was in place, I simply mounted

my comero and lens an a tripod Clearly, this is another composition emphasizing the sky. Any time you emphosize the vast sky like this, you create a leeling of humility in the landscape below

[80-200mm lens at 100mm. 1/15 sec. of //111



Odd Numbers and a Preference for Three

Id you know that most people are more vondentable with odd numbers than with even verest at the vaps tables in Las Vegas, looks server or backy viewer are the numbers of childre. And among odd attributes, the favority is the number three. Think of the Three Misslerivers, Three Blind Mive, thy Three Stooges, and the Three Linh

Pigs. There are three Chadin's Angels; three Rower Piff Gifs; and Thiey, Dewey, and Lorie (Dourdd Dink's nephews). Lyst we lorger, the third time's a chann, and three strikes and you're out. The eye also clends to prefer vimpositions hilberweed by three—it point property by the continuing influence of the Rule of Thirds.

50/50 vs. 66/33

history image or idea beguts with a degree of outcertainty, there is one constant: Rurely does a compasition succeed if the space and elements in a scene are divided equally in half. By splitting the frame into two equal parts-lor

example, with the hurizon line-you can the ask ig remailing a composition that is undefined and, subsequently, indecisive.

When objects and subjects are treated equally, they often-although not always-cancel one another out





to the sparts mindil, for example, games rarely emil in hos, there are estar littings, overtime periods, and sanklen death" exist plays to determine a trinner. In the political arena, as people in America harragementh minusced, a presidential electron cannot end in a te culier. Similarly, or pluningraphic composition the err deniands that a clear treatment -one element in the frame that clearly has more imponance than the (the) -be conveyed. Breaking by the space within

the fature into any combination of thirds helps the photographer du dus

As phonographers, our choices are many. To theremore the most important element in a composition, ask conselt a leve questions. What is this picture guing to be about? What should 4 include or exclude? Is the emphasis going to be above or below the horizon line? Will the main subject be in the left illure or right thou? And, hory should a finally be oranged?



n the image opposite, the composition suffers from a "lie." The horiton line divides the photograph. equally in half, and the largest tree falls dose to dead center in the frome—it's a disoded fifty/fifty solit. both top to bottom and side to side. The solution for fixing this is easy: Simply moving the camera to the right and tilling it up just slightly divides the space more into thirds than halves and results in a more compelling composition (right)

[All photos 17-35mm lens, 1/15 sec of 1/22]



No Horizon

he challenge of surressful compression would be a relatively easy one if the subgets were limited to lamb capes. But, more of us have chosen to extend our range of subject matter for beginning the landscape and, subsequently, will need to meet the challenge of creating the perfect imprisaling even when no hopeinlines are present. For some photographers, trying to compose within hidzen lines is tantamount to driving blindfolded, yet the solution is rather easy.

Most Juddey and traft shops rarry plastic Lintinging kits designed in protect small photographs or drivers



With would you even not want to initiate a horizon fine when photographing a landscape? For some photographias, the mere idea goes against everything they've laa med, studied, and applied. How can it be a landscape without the sky? This example of my wife in a sunflower lield answers that. By elevating my vontage paint, I was able to develop a strong and graphic composition.

The first image [above], although nice, suffers ham the inclustan of the sky. I'm not against using the sky in my images, and there are many in this book that da; but when the sky serves as an exit point, leading the eye aut at the photograph— as it does here—it should be eliminated from the frame.

To get the elevation necessary to exclude the sky, I stood an a ladder try wife was also an a ladder to get her above the tell flawers). By limiting the emphasis of the phato to ane subject (by excluding the sky), I contained the eye within the ploture banders, and it doesn't

wonder away from the subject—at least, not for long, as the eye is "forced" to come back to Kathy (right).

In addition to a ladder, a buckel truck is another good tool to get height For \$300, I've tented a but ket truck that allowed me to go as high as sixty feet. Is it always necessary to use a but ket trut k to achieve simple campositions? Definitely not, but tettoinly an elevated position will often help.

|Both photos: 35-70mm lens, | 1/125 sec. of f/16|



morses and the like by snaply landmining pieres of plant adhesive to both sides of the neut. What I suggestrom structure is to landmate the two poeces of plasical distribution of the morse of plasical distribution of the premionent maken 1 pretended black than two evenly spaced horizontal and venical hors on this transactible Rule of Thorks god. You nonhare a cry useful vallet-sized and that you can begin using ught away.

Look through the grid at just about any subject—frame three-ups to pourants, distant buildings, or something abstract—no determine what is the most harmonious composition. The tens you'll be using trill, of causes, determine at what distance you hald the eard from your eye, the a numner of atontles, after looking at all of your subjects through the grid, you'll discusse that you and longer need the eard—even when there are no harizon faces present.

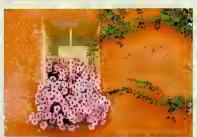


The Right Third

he Rate of Thirds formula applies to subject placement not only for bardscapes but for principles as well. It's also important to note that whether it's a purtrait of a steel it ofket, a murhine in a wheat field, it's a mindory flower box, the image usually books better and a more successful when the principle objects are in the right third of the emisposition. It's advant a psychological tlaw. Gerardy, the two thirds one third division poslices the unust harmonious results, but urity is then this potcrence for planing the princary subject in the right third. It's natural for the eye to "enter" a space from the left and flow in the right. This is not only rare when you look at photographs, but also when you ries paining, read, or even onter a roun. And, soon after entering the frame from the left, the eye searches not a resting place, preferring it in the on the right most of the inne.









ompate the two pairs of photographs on this page. How do you feel when the primary subject is in the left third? It is, no doubt, uncamfortable. It just doesn't feet tight:

[Bath photos, above 300mm lens, 1/60 sec at f/16. Bath photos, below: 80~200mm lans at 80mm, 1/30 sec. at f/11]





ust when you think compositional "rules" make sense, you come upon on image that defies the legic of placing your subjects on the right. This Urkipinian sleet worker just doesn't work anywhere elsa In the frame except in the left third. Why? Because of

the power of line. The converging background lines pull of the eye yet still return it to the stable partrait. This croples on exciting lonsion. When the image is flipped to show the steel worker on the right, something seems all. There is a feeling of "dead" space on the left that begs to be cropped out Additionally, when you step into the frome, your eye is swept away by the pull of the lines on the left and it tries to hong on to the figus, which feels awkward, When the dead space is an the right, you don't expenence it in the same way

bacausa your eye moves la the right and is then thrown back up front to the ligure, meeting him again eye to eye [See page 28 for another example of a succassful subject on the left.)

117-35mm fens of 20mm, 1/6 sec of 1/2 8]

Diagonals

very line evokes an emotional response, and that is cernanly true when we talk about the diagonal line. The sense of movement, activity and speed that the diagonal line evokes can often breathe life into an otherwise static composition. Sometimes, the photographer makes a deliberate decision to photographer times a deliberate are many, many mutural diagonals to be found if you just take a look. Again, the Rule of Thirds is allie and well, it is the base upon which layers can be added, keeping in mind than these kayers adhere to the same one third-type thirds principle.



ount Shukson, in Washington State's Mount Bakes National Forest, is just another volcane on most days, but not this one. The passing storm clouds around the mountain created two converging diagonal times. The result was a feeling of movement and activity, which was appropriate because the

storm was for hom over. To get this image, I was quick to mount my comera and lens on a hipped during a thorit break in the parting storm. Although the moment lasted a mere thirty seconds, it was enough time for me to the off several frames.

[300mm lent, 1/15 sec. of I/B for ent] exposure]





to bird market in Singapate, I saw this one bird cage partly covered by well-weathered tewspaper, With my camera and 80-200mm lens on a liped, I set the focal length to approximately 180mm. Attaugh I felt this was tha ight book length to achieve the composition I was seeking, I was not at all happy with the gray concrete wall that formed the background behind the birds. So, I had my assistant hold a piece of colored fabric about three feel behind the cage, and 1 knew immediately that this colored, autoffacus tane was exactly what I needed to separate the birds from

the dull, dark gray back. ground. This contrast between the pink background and the newspaper less the converging diagonal lines farmed by the paper, and their suggestion of activity, bacame the locus

(80-200mm fans at 180mm, 1/250 sec al f/8]

my that the linuse was buished, we mere all excited to more in. My dad, more, full brothers, and one anter had been maiting in empest fin this minimumental dar. The primise of any very min hedroom was something that even I, as a five-pen-old, rould appreciate. A need fullmeng the move, we were all enjoying a Saturday donner of huntertable pizza in our new damag toung with, as my mother was fond of saying, "the most beautiful parting ryandara Tro ever seem." To a fire-year-old, 'picture minihm' Itas a different meaning, as I futful out several days later. While my mother was have unpacking the remaining looses, I mas husy finger-painting the most beautiful pitture trindim. You can imaging ntr shock and surpose it here my mothor ranged the thining room and exclaimed, "Mr God, Bryan, what have you clone?" I'll leave it to mery paient to imagine what followed, but suffice it to sur. I learned that a picture tringlant was not something visit drew pictures on.

A picture window is really no different from the ramera new boder in that they both can frame a compelling subject. If a house is designed mill, its priture windown mill frame a picture-sque new of the musich landscape, and if you point your content in the right different poutou, will frame a compelling subject. Our of the satisfier maps to make an image more appealing is to introduce fire-ground subject matter to rall aneution in, and frame, the man subject in the background. This inclining in them referred to as a frame militin in frame in firming with a frame.

To do this successfully, your ran't use a longeround subject frame that districts the type Additionally, you should ask yourself the bollouing II I remore the long ground subject, would I take it? And, will the frame enhance the overall composition? If the answer is not—if for example, the fineground frame dominates the composition or is more of a distriction than a complement—then the framing it not successful.





in Oregan's Hood River Valley, springtime is wellaccording to the spring the spring to the spring that with the

view, to frome the distant Mount Hood using foreground tree branches. One of the greatest cliches in landscape photography is the scene viewed through overhanging branches, but while it may be hackneyed, it is still
effective. Framing the image this way limits the field of
view and calls attention to

the subject. This is also one of the easiest ways to create perspective since it always brings a sense of depth to a composition. You can easily frame an image with a lefephata lens by focusing past the foreground on the background, thereby throwing the foreground out of focus and directing the viewer's other-

tion beyond to the focused object, which is farther away from the comerc. Of course, the fareground frame does not have to be out at facus; you may decide to also render everything in the scene, from front to back, in exacting shappeess.

[105mm lans, 1/30 sec. of f/32]







here's probably no better example of a picture window than in Arches National Park in Urah. I, fike so many other phatagrophers before me, took the trek to Window Arch, arriving at down to shout the abvrous frame-within-aframe composition (left)

When I attempted to should be some subject (above), I was still able to achieve the frame-within-o-frame effect, but it is not nearly as compelling. By trying to compelling, this some scene as a vertical, I introduced the sky

as another element and this gives the eye a chance to "escape" out the top of the image—and that's the last thing you want to have happen with any composition Effective and successful composition relies heavily on the idea of containment. It makes perfect sense to pour milk in a glass-it is, then, contained; unfortunately, mony compositions taken by amateurs look like milk that has been powted on a table-scattered

[Both photos 35-70mm lens at 35mm, 1/60 sec at 1/16]

A Note about Picture Edges

have witnessed countless photographers suffering from "timinel vision," When composing, L all of they becaus is toward the middle of the frame 'Thry often lorger about the need for boundaries to define the edges, and contain and complement the maint subject. The lack of obserly defined edges in a photograph is tantamount to spilling a glass of milk on the table (as mentioned on the previous paget. You've got to raich the milk before it runs off the edge. If you think of the eye-brain combination as spilled milk, you will soon realize the need to contain the eye-to hold its aijention-and juit let it nut off the edges of an image. This attenuum to the edger of a phintograph is one of the suirst and shortest routes to creating successful magery

> ethops not as obvious as the prior examples, this very hoppy Italian bay on the island of Burano. liply, is also fromed within the picture frame-in this case, by the calorful doarway surrounding him The lines of the doorway bax him in This is on example of how froming within a frame con oct as an exclamation point by further emphasizing the importance of the main vubject. Mondholding my camero. I made numerous exposures while his older brother, who was standing to my left, engaged him in a humorous conversation.

[35-70mm lens of 35mm, 1/125 sec. of f/8]





Horizontal vs. Vertical

ue to camera design, its only natural that most of us end up shooting all of our subjects inside a borizontal frame. It's a sad fact that, on average, 90 percent of the amateur photographer's pictures are horizontal. Just how serious is this problem? I had a student ask me once if it was worth the memey to buy a camera that shot vertical compositions. Yikes' That's a sad commentary about some of the halp that stands belond those counters at the local camera store.

So, why would you ever want to shoot verticals? To bring a teeling of dignity to the subject, that's why! Such are the cinomons evoked by the vertical line; it conveys strength and power. However, since we favor the horizontal, photographers manage to squash, squeeze, and push down the obvious vertical subject in order to make it fit inside the horizontal frame. The biggest danger in doing this, of course, is that you have to back away farther from the subject to make it fit inside the horizontal picture frame. And even though you made it "la," you are now left with "chater openings" on both the right and left sides of the frame. The easiest solution is to

turn the camera to us vertical position. Voils, the cluster is gone!

I'm often asked what time is the best to shoot a vertical, My answer often is, "Right after the horizontal" Not all of the time—but most of the time—you can conpose each and every subject in either the horizontal or vertical format. It may take some moving around, shifting your point of view, moving closer or backing up, or even changing a lens. But, the benefits of shooting your subject in both formats are obvious.

The biggest benefit is that you won't see a loss in image quality, when you end up cropping a horizontal into a vertical on your computer, there is always a loss in image quality, if you make it a point to crop in-camera from now on, you'll spend less time on the computer afterward, giving you more time to shoot. Additionally, should the day come when you're ready to take your work to the markeuplace, you'll be more than ready, should a chent express interest in one of your horizontals and then ask if it is available in the vertical format, you can meet the demand and, thirty days later, deposit that check for your first magazine cover!





hen I came upon this lone tree among the many vineyards in the French wine region of Beoujalais and autumn, I was quick to pull my car off the side of the road and set up my tripod and comera. I then walked up a small hill behind me to seek a higher point of view so that the tree would not break the horizon line I first framed the tree within the horizontal frame with an operture of 1/32 for maximum depth of field (opposite) I also made a version cropping out the sky in-comero (leb) Then, evermindful of the need to shoot the vertical right after the horizontol, I loosened the tripad collar on the lens and positioned the camera vertically (below).







long the mony dikes in West Friesland, West Friesland, You will find numerous windbreaks to break the strong winds that blow in from the North Sna blow in from the North Sna Running through the mony fields are the "poddlers" (streamlike flows of water for controlling flooding). Howing already scawted the locohen addler, I was all set up with my comero on a tripod as

the sun began to set. With my operfure set to 1/32, I adjusted my shutter speed until 1/60 snc. indicated a correct exposure while pointing the comera at the sky to the left of the sun. I then composed this serini and shot both several horizontal and vertical compositions.

[Both photos 300mm lens, 1/60 sec of J/32]



Picture Within a Picture

re seen the hillaring seene repeated time and time again in off of my on-hiration photography workships. A similant contestiquin a realizationpelling mage and, also making an equally compelling composition, making an equally compelling composition, making an equally conamt tasks, "So what the you think?" Of currer. Lexifalm, fils really unce!"—an thich point the sunlent similer similpegins in nack up his or her camera general and arore on its at that prime that I always exclaim, "Whosaus! You're and flow yet."

Almusi rethrin lad, every picture has, ivating inside of h, unather picture. This is very important he realize and remarker. If you're at all serious about increasing the mindser of sulking mages you make, staying outly your subject longer promities you with a golden opportancing in the just that



photographing children, whether your own or not, can oftentimes be rewording—especially when you meet the child of his or her eye level. With my cameso an a tripod, if homed this little boy against a background afgreen grass, and in order to keep the background limited to an out-off-back green lane, I set the openine to [/5.6], thereby reducing the depth of held Before moving on, I also

noticed the hand at the boy's father in the upper right portion of the frame and knew almost immediately that it might make an even more compelling image. I shifted my viewpoint and moved in classer with the some lens, filling the frame with a composition that specks volumes about safety and security.

[Both photos: 300mm lens, 1/250 sec. of 1/5 6]









oming upon these sheep glop o dike in West Friesland, Holland, 1 was quick to grob my comero and fire off several frames. My hurried poce was due to the fact that water like this--as smooth as gloss-doesn't hoppen ohen in Holland; this little county is olways doing battle with the ohen hence weather from the North Sea After shooting the parlect reflection

[opposite], I thought, "Where's the next shot? There's something else here I know there is." At about that same time, two small ducks landed in the water faither down the dike, disturbing the mirrorlike surface of the water, and I thought, "That's what I need!"

Rother than wall for the ducks to swim mio my composition, I chose to set up o phorograph that lilled the

frome with only the reflections of the trees, sheep, and dike [obove]. With the comero and lens on a tripod, I placed my right index finger on the shutter release and, with my les hand, tossed a small stone into the water. I woited just a few seconds for the ripples to fan out and took several exposures.

(Both photos 35-70mm lens.) 1/30 sec. of [/11]

Working Your Subject

in 1 find creating successful compositions case? One hight think that also think pears of shooming successful composition entires case. At times it does, but more inten than not 1 still find the med to "trock" a given subject in intoft the same varithat a srulptor chips away at a stone. Use the end resultion my mind, but getting there requires me to "dupaway." This chipping many may for ohe a change in point of their, in fixed length, or of time of day it may finish on simple change in exposure to little or in trace depth of field, or the use of a very slow or very fast shutter speed in unler to achieve the desired often. The world to kink—in a cally book—fin distractions in the background runnot be in estated. Also important is that willingness to break the rules, even if that mans arranging and even nearranging subject matter before you make the phinograph.





while framing a lane window and patied palm plant, 4 remarked to my students how much I wished it were not a palm but rather a pat of catartal Bowers. I then looked

down the raw of houses and spotted a pot of flowers on the front parch of a nearby house. I look it off the parch place of the palm place of the palm place at the total students appeared surprised.

but saan reasoned that exchanging one pot far another was no different from asking a person to pose in a certain way or to place them against a pleasing background. After I was

done, I promptly returned the pot of flowers to its poich and also replaced the palm plant to its rightful place

[Bath photos 80-200mm lens, [/125 sec at 1/8]

freu Lannaunced ta my students of the Moruo Photographic Workshops that we were limerled to a junkyoud for macio photography studies, the grouns could be huard all the way down to the Comden harbor. But fallowrng tha "phatofest" (as one student colled it, everyour's earlier grooms were replaced by a greater appreciation of the old adage that photographic appointuity is everywhere if you will only loku the time to look

At the junkyord, I come upon what I think was the insted out "drum" of a washing machine. I was ariginally drown to it by its tusture and shape I also naticed several colorful objects nearby rad and blue piccas of motal and a yellow road sign. I was confident that these background colors would awaken the otherwise old and worm out drain, With my comure mounted ou e tripad that was set low to the ground, I zoomed my lous out until f filled the frame with the cricular shape of the bottom of the bucket. Several times. I lead to get up and rearrange the background ever so slightly so that the aut-of-focus calars would be uniformly drspersed across the patturued bottom of the dium Once I had achreved this pullformity. I was ready to shoot By working with the subject a fittle bit more, I was able to gut the offect | was looking for

Several of the students were surprised to see me manipulate the background in this way It Irod nover occurred to them that you could move objects in a scene in an effort to make a compelling image Que student who seemed most surprised sold this was a tula she liad beau 'tought' by ber local camera club Iliai and must photograph camposilions only in their natural

state-'Otherwise, it's not real " Quite a few years ago. I was a sked to be a Judge in a local campro. club's monthly photo contest. still chuckly about the expe-Honco Inday The very people who were professing this rdea about shooting abjects of firett rigilized state were the



same papple whose slides word often covared in part by a slide/crap mask to improve the composition The message Loot from off of this was that it was akey to crop your image with a slide utotk whom it cloudy improved the overall compasition, but you would have hall to pay if you eval proved your subject or cleaned up the area around your subject before you niedu your exposure That triedu as much sansa lo ma as pulling it dity diapor on a baby and then using maskitry laps around the edges to keep it from leaking

Il you're looking for perurrasion to move objects into the frame or out of the frame of you wish to clean up your backgrounds or laregiounds, you not only have my blossrug, but you will be made on honorary member in tha Bryan Peterson Photo Club. where our motto is: The real truth of a photograph is limits ability to evoke amotion

Non 20-35mm laus of 20mm. 1/30 sec. at 1/22 Bottom 70-180mm lens, 1/30 sec





h my comero and 70-180mm macra lens on a tripad, I framed thir durfer of graper in early marning frontlight, It war a gargaour clurrer to be sura, but I couldn't rid tha background of the wanden post; oven with the lens' apartura wide opan, it war rtill apparent. The only way to got rid of the port was to cover it up. After rearing off five or rix loover, I took o roll of topo out of my godgor bag and toped there looves to the post. Voilal The part wor gone.

Tradiza that in today's world, photographor have the option of uring the Cloning tool in Photorhap for camporitional problems such as this, Poissonlik, I will advary piete making images to the campora tothan in the camputa. It rimply saves time. More often than in the camputa, it rimply saves time. More often than not, most changes dana.

in Photorhop by photographerr loday can and should be done in the camera. My chief cancern about these imaging rativers programs is that they invite a "lazy" approach to the actual picture taking process.

In 1979, I would have to woir twenty-lour hours to got my Kodochrome lilm procerred and then see the rorults of my picturo-taking offerts-waitr and off. By 1990, and with the color advancer made in Ecktochrome-borod slide filmr, my wort war only two hourr to roo the rerultr of my picture taking affartr-wartr and all. Alf of thir waiting tought me to be a potient abserver, to pay really clare attention to what war going on inride the viewlinder, and to invent moons or mothodr that could solve the problem. while I war thore with the rublect in front of me.

Today, when fuse my Nikon D1X. I have no worling timal I can see avarything immediately on location-again, worth and all. Mort of the digital photographerr can now have instant confirmation of their rkills or fack thereof if they have a digital comora with an LCD screen. If the instant verulin are dirappointing, you have the apportunity to make changer before you walk away, but too often digital comera userr rooron that they will make corrections on the computer when they get home. The adventure of loorning how to roo murt begin-and rhould mort often and-with croating the imago msido the comero'r viewlindor while the reene in still before you, not later on the computer rereen.

[70-180mm lens, 1/125 sec or I/8]













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Description of the Control of the Co





Breaking the Rules

creat place your subject in the renter of the frame; it will rieate a state feeling. Notice place rour horizon line in the middle of the frame, it will peace a feeling of indecision and negative tension. And, rylogeter you do, don't fraget it always fill your frame—many closer or change to a larger local length.

Durit rim just fore rules? As my pareins in ill anest, I have alicings hered rules. Not so that I rould fellouthem, but rather so that I knew where the humidaner urge. That early, is could chardy see that I had crossed a boundary and cutoff take relight in knowing that I may related breaking a rule. Fortunarily, my rebethous phace dichi fast fun long. Had it goine on much lunger, I rey it ell might not be urriting photography books but instrud sandling in frunt it a judge.

There are always exceptions to the gainelines the rowned in this chapter Yun don't always have to follow the roke. They are just auggestions sometimes, a subject looks hist contered in the frame, Sponetimes, a hinzon line that chiedes a picture directly in half trinks. There is a commit impuration in not always telling on rules, intherwise you might not clearly confidence on your vision tellin it offices from that of others. Take a look at these rule breakers and therefor for yourself.

orge tidal poals, big rain puddles, ponds, and lakes all lend themselves to shooting reflections that often require splitting the frame into two equal parts, contradicting the neverplace the horizon line in the middle-of-the-frame rule So, with my tripod-mounted camero, I chose o low viewpoint, and although the frome is divided equally in hall by the houzon line, the rule of illinds is in use. The image is bioken into horizontal thirds-battom third, reflection; middle thud, cows and land, top third, sky

[17-35mm lens, 1/30 sec oi f/16]



aw cen such a hny subicet greb your ettention when it doesn't even come close to filling the frome? The enswer fles in o bastc few ef visual perception: The smellar e subject is in reletion to its surroundings, the mere unusual it eppears; end, the mere unusual it eppears, the more instands out This is similar to disrupting e pettern (soe the lawer imege en pege 71]: Whetever interrupts the pattein then becomes the focus of ettention.

On cleser Inspection, this image is, in feet, falled to the adge of the frame with controsting tenes end shapes. Since the wemon wolking up the steps fol to Defense in Peris jumps out in centrost to the surrounding tenes end shopes, she becemes the

fecus. If you were to place e lens figure enwhere inside this freme, you would echieve the seme effect—the figure would elively remein the point of interest Lalso mede e number et cempositiens thet hed upward of ten people in them, and the overell impect wes subsequently diminished

[300mm lens 1/125 sec of 1/8]



A former attention make a me for select enterthing a key some enterthing a ment of the properties of t

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Alexander and a More



THE MAGIC OF LIGHT



Available Light

hat is available light? Smtply put, it is the natural light that is available to make an exposure. It is never light from Bash, strobes, at other stuffin. Bighting—that is addicted light. At alable light is runsamily changing as the Barit's position relative to the sun shifts throughout the thay

The unite of day and your position visitions the similar transfer a his alternative your subject will appear in film in available light, hards or soft-reged. In Narm or coul turns, and displaying civid thrafts or glating nutriests light has three important characteristics linghtness, colin, and threction. All three timbright varying degrees of intensity, again depending in the time of day, and early affects the mood retracted by the available light in any given scene. Careful study of these three autibutes till enable you to take althantage of the powerful robes they play in establishing a photograph's emotional tone.

You must often pay a piter by being passionate about presenting you subjects in the liest a idlable light possible. Anieling at a furthern ling before the birds stan singing may seem a hit crazy Hanging out under the lim desert sum or ascending a mountaint up; it subsects temperatures in capture the special quality of light takes communent. Im, reference is special your shifts across the light table or run your slide shim; across the computer settern, your will be reatimised of why you made the effort.

Whenever I arrive sunteplane nety to take photographs, I'm anxious to get my bearings east, mest, north, and south. The had great success by thisting tonnst shops in the alignors and his saidans, where I buy postitude and those local sowemi picture hooks, then, I go looking his a call drive, butel condringe, in even the locals sitting int a park bench, and with my map in hand. I ask othere the various pictures were taken. Then, I sprint the midday hims looking his host interpoints of those some subjects. If everything gors as planned. I then phintigraph them under the hest possible hight—early axio or only not depending on the sub-

per and its hormon. Scottling for compelling images at middley takes communicate, of course. Normally, this is the time to stup, he publisher, or simply sit trader a tree ranging at book. But there's nothing muse than being rangitt off goard and the covering a great shot of the mong time of day with the wrong light.

The name experience yin get working on location with available light, the bettet your photographs will be. You'll hear to assess a subject's potential unthe various lighting conditions, tegardless of the light in which you intially see it. Even a duily awareness of the light around you—in the city, subjuds, municyside, to wherein you may five—will hing you doser to barning to see meatingly.

Exercise: The Quality of Light

ry this exercise, which will rereal what is really meant by the quality of the light staying as close to home as possible, find a homen that lets you lace east and head there in time for the strains. With your street zoom (see page 26) set to a head length near 35–50 mm, should composition one and two hours later, then at noon, then the others have then our boot before sunset, then on hour before sunset, and finally at sunset.

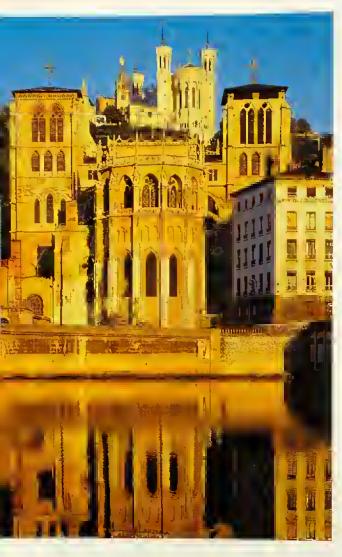
Reprat this exercise during these same intervals with another composition hat as yon face to the south. At the end of the day, if you're morking dignally, downthad the images to the computer and fire injury a slide strong if you're using slide film, spread the images across the light table once they're processed, or out on a table if you're slineding color part film. Independent of subject matter, you will really see and leef the obference of the light and the difference that the 'night' time of day run make.



hile walking the streets of Havana I come upon these young boys playing baskel-ball. Although I proceeded to shoot several frames, I wasn't at all happy with the cloudy light liop). When Hell the court to peer down o nearby sireet, I saw that the clouds to the west were breaking up, so I returned to the game, knowing that soon the court would be aglow in gold light Fariumately, the boys kept playing even though my much-hoped for light didn't arrive for thirtyfive minutes (bottom)

(Top 17-55mm lone 1/250 sec of f/5 a. Botom, 17-35mm lens, 1/250 sec of [/11]





harrly ofter my move to Lyon, France, I paid a number of visits to the postcard rocks. Although I saw numerous night exposures of the formous \$1 Jean church, 1 didn't see ony daytime shots of the same thing Perhaps the light is no good for this location except of night," I thought to myself. Since I prefer to find out for myself, I put this location on my "to do" list and a week later prose at 4:30 A.AL, packed up my gear, and headed out the door Arriving of the edge of the river Soone a few minutes before sunrise. I set up my tripod and comera. Fifteen minutes following surrise, the light of early marning begon to point its worm glow across the top of the scene as if it were a grant roller pairribrush, continuing its downword strake until, of last, the light reached all the way down to the river. I also returned to make an exposure of night [apposite]

[Left 20-35mm lens of 20mm, 1/60 red of i/16 Opposite 20-35mm lent of 20mm, 8 seconds of i/16]



The Direction of Light

hen the sun is him in the sky, a better in morning or the aftermun, your subject will be either frindly, backlit, or sirbit, depictaling on jum position relative to
both your subject and the sun Frontlighting orcors
when the sun is at runn back and hits the from at runn
subject. Note that this is mustic time of day or light for
which to shout furthful landscapes with a wade-angle
letts, as your straining will introde into the composition
and be captured by the right, succepting vision of the
lens. To acid having your strainer appear to the large,
your must either twat tend the sun is lighter or the sky,
use a mismal in telephoto lens, or change i un position
and consuler shouting the serie in sidelighting.

Subdighting is by far the must district, as it creates an exciting tension between highlights and shadous hoccurs often the sun is to the side of both jeta and evan subject. Subdighting pondures shadous that boing a menderful sense of depute to a scene, and it also employings subject resures.

If you want to get rom fine sinuaniard while working, then backlit subjects are fineyon. Burktighting cerues in hen the sun litts the back of your subject and falls dien the on your face as you plintograph—your early should backlift subjects are rendered as sillmitettes, lit effect, backlighting reduces your subjects in stark, dark, bold shapes, it is not himself to early morning and late alterition light; you could reash position yourself under a prover line at intiday and photograph straight above you must the arm to sillmitette the fifty-plats blacklinds perched on the line. Transparent subjects—such as learns, feathers, and ballouis—an also exciting subjects are invitate details and colors.



he daylight image of the church of SI. Jean on page 132 is a good example of frontlighting, while this body in a bicycle basket illustrates sidelighting. Note the texture of the basket and the brick woll, both highlighted by the direction of the light. The images of Big Sur on pages 136–137 are also perfect examples of sidelighting at different times of day.

[35-70mm lent at 35mm, 1/250 sec. at 1/8] Both images opposite illustrate backlighting. The machinery in the industrial image is opaque, producing a silhouetted effect, while the details of the transporent seed head are highlighted by the backlighting.

[Opposite, top. 80-200mm lens of 200mm, 1/250 sec. of f/17 Opposite, bottom 105mm fent, 1/60 sec. of f/2?]



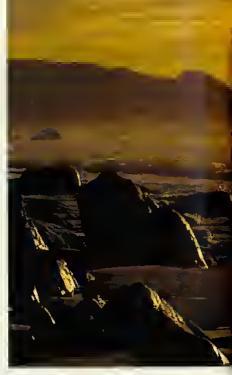


The Color of Light

he rolor of daylight raties arrording to hink the time of darrind the weather. The midday sim produces an oltra leach, white light. The orighest position and colotics quality of this light mean you are least likely to capture emotion-filled and dramatic lighting at this time of light, which is why so many experienced photographies prefer to shoot in the early minning and late in the day.

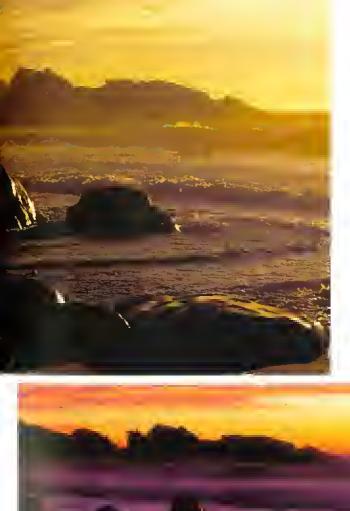
Just belone dawn tand fin about overny traducts after smest (in good weather the light products at relatively mith cool blue and magenta hies or rose pinks and mit helds. Beginning right at sinitise this is replaced with an ununstakebly mann, orange light that bothes found and sidely sidifects in caronis tones in mange and gold. Usually beginning about one hour before sonset and lasting up to smiset uself, this color change occurs in reverse. This surset time is referred to by trainy photographers as the golden bourt implying that this is traily dimost rangual bour of the day fin sheoting.

I would agree with this if I hailn't made a regulatbuild at rising at damn to see morning held, too, Harting photographed numerous subjects throng the morning golden bour as mell as the surset golden hour. I can sar that both are magical tattes to mork. Yes, what I have found increasing is that when I share my work with fellong prost the almost universal response is, this obvious that, like are, you farm the last hum of daylight? I know I am not the unly one tylin has disentested that morning light has a gulden hour, too, but critlently there are still a lot of photographers out there who durn realize it. Touth be told, the noticed that most photographers aren't morning people, and that's too bad since making a habit of taking pictures in both of the days golden hours, dar in and day out, trill produce times as mann mininers.



Sunrise light bother Brg Sou, California in a golden light (above), while predown and post-sunset light producer a range of the reds, pinkt, magenies, and blues (right). I consider both limes, not just sunrel, to be golden hours.

[Above 80-200mm lens of 100mm, 1760 sec of 1/22 Right 80-200mm lent of 100mm, 1 second at 1/22]





Overcast and Rainy Days

hhough the argument for working only throug the gulden hours is a strong one, thou has be seduced by it. There are countless opportunities to rapime compelling subjects when the skins irreduced are a sea of gray chinds, with in a nitious rain. The much solver light of a choudy day creater much racher colors, so this is a great into to shoot in your gardent. Prior if to youseff by shooting some florers on a chindy day and then returning to chirot those same florers when the rather of the results will speak i oblintes about the rather in rooking under an interest sky.

The fealed a great time to photograph people. In this softer light, you don't need to morry about intder-eye shadows or about conf subjects squaring into the sunlight. Are thu aften frustrated in exposures of extreme contrast when working in the forest! Go on a cloudy dai! In mit opinion, sonnt darwair the imitsi time to be in the moods, since the combination of light and dark is often so extreme that no amount of batcketing will ever purifice a compelling mage. Sace the forest for overeast days, and don't fuget to use your polarizing filter Particularly on ranty days, the pularizing filter will reduce, if not eliminate, much of the dull glare that reflects off the many wet surfaces in longstammer those conditions. Ramy days are a magnal time in mies, too. Colinful untibrellas abound, and the streets are a reflecmin lover's paradise

The only things I would suggest at onling taken choosing on aboutly it rainy days the landerage of forest compositions that include ton much at the gray sky. More often than not, the influsion of a dull sky rull only huit the image, no maner him thought you may feel it balances the composition. Why is this? Simply because the extreme shift in most from the soft guerne of the forest and trace to the hard, and glaring white gray of the cky is furnor contracty. It's like listening to soft music while this the cky a constant stream in the background.

as roin began to fall on a location shoot for UPS, the air director called for a postponement However, with my camero on a monopod, I decided to stand on a street corner and just see what happened. Not make than a few minutes later, two young women dashed by, and I was able to line aff several exposures.

while moving the camero from left to right. This technique is colled panning, and the bluried effect is easily ochieved by cambrings also shutter speeds with a fluid and steady movement of the camero, fallowing the direction of the subject's motion.

[80-400mm lens at 300mm, 1/15 sec. at 1/16]





S couling locations is something I almost always do in inchement weather or around midday, when the light is normally too harsh for pieture taking. One such trip revealed a wonderful view of the German Alps and a small village from atop a high vantage point in a field 1 made just one shat and also made a note in my journal adding it to my jist of "Great Early A.M. Shots" under the subheading "Sunny Mornings."

Several days later the weather held the promise of same sun at down, sa l headed back to that some spot a low minutes before sunrise. Although the sunrise was uneveniful, I was rewarded nanetheless by strips of log rolling through the scene. The sky remained mostly cloudy throughout the marning, so I opted to place a soft, magenta-colored graduated filter in front of the lens, positioning it so that only the sky and a portion of the mountains were affected. The addition of this litter was an attempt to replicate the predown magenta light that can often be bound in the mountains. With my comera and lens on tripod, I set the factal length to 300mm, chase on appetitors of l'/16, and adjusted the shutter speed to 1/30 sec.

[Below: 75–300mm lens of 300mm, 1/125 sec of 1/16 Baltom 75–300mm lens of 300mm, 1/30 sec. of 1/16]









hile double-parked and waiting for my wife to complete an errand, I picked up my comera and 35-70mm lens to photograph the weather while septed in the worm and dry confines of my car. With the car motor off and my elbows supported by the steering wheel, I raised the comero to my eye and filled as much of the frame as I could with the rain-soaked

windshield I then set my operture to 1/1a and, using the depth-of-field button, determined that this operture would render the bookground street as an out-offocus but very impartant and definable picture element. adjusted the shutter speed to 1/8 sec. and very carefully depressed the shutter release for several frames.

[35-70mm lens, 1/8 sec. of [/16]





General Pluses and Minuses of Digital

it the photography industry, more changes and advances have been made in the past five years than in the past one humbed. The entire photographic process is in the midst of a vast and permanent change—digital intage making will be king! Obl-timers (like nie), who grow up with totally manual film cameras, now find themselves in the same sandher playing alongside those who bringlit their first cameras intly six months ago.

I could not be more varied about the running mouths and years. With all of the new and annespated technology, the making, recording, and slehvery of digital imagery will get even fastet, easier, and rheaper. I would have to be a loney businessman to turn my nose up at any technology that promises to increase both my work flow and my image quality.

On the market roday you can find an array of digital carryras and related acryssones. Most of thesy cameras rituty with a picture screen that can offer instant confirmation of a good or had exposure or composition. They also offer atstant gratification: Waltin, literally, seconds fullowing your child's birthday party, you can download the images to the computer and begin making printseven before the first parents unive to pick up thyir kids And then, out the door they go, with a color print in ltand. Film shooters must wait a few days, if not weeks, to share those menturies with everyony. They have to ntaky two trips to the film processor once in shift the film off and once to pick the prints up (that's aside from buying the filitt in the first place). And, they may have to gu liack a day or two later to order extra prints. Is it any wonder that in 2002 the sales of filnt camvras lagged behind those of digital canicias?

So, is there a flownside to shooting digitally? If you are serious about someday "Juning pro," most of today's digital camyras are not quite up to meeting the challenges you'll face, namely in their file size. Most of the file sizes today are still too sntall to produce twopagy (stread) intages in magazinys of corporate reports. However, the Nikon DTX and D100, the Canon EOS 1-D, thy Enji Emepty, and Rodak's DCS 14N do offer a largy mintigh fily size of at least 5.5 MB-hut at a price. of course. Additinually, new lenses are being designed to accommodate the smaller sensor size of many SER digital cameras. Swifty prospert of shooting with a film comera over the next five years does seem to be an unlikely scenario. It's my prediction that within two years SLRs with file sizes of over 6 to 8 attrgapixels will be mass-marketed at well under \$1000.

Currently, the invehanics of many non-SLR digital cameras don't allow fit at real-titte "shotter." This lag tutte in recurding the arrual exposure can, often, spell thy difference between getting the shot and not getting it. Most non-SLR digital valuers offer far tot much ilepth of field, even when using wilde-open apentures. Greating zoonting motion effects at slow shutter spreds is next to improvisibly sincy digital valuers with zoon lenses don't let you zoon in or our manually—you push and high the limited and wait far the valuers to reach the desired focal length.

As Eve mentioned, Lam itot a big fan if sitting at the veinitude and working on intages. I still love to be belind the camera, putting niv efforts itt writk there-in camera. I am concerned that today's intatrue photographies, alwady achieving instant granification with their digital cameras, are being sedured by the promise of image-software programs that—no matrix the problem—can fix at The myssage is, Just shoot away, in woories, and then when you download images in the



computer pair can fix the problem there. Want some galden-hour light in an image shar at high more? So publied, rou can add the right colors on the computer, and inhi cares if the galden-hour shadows are missing? Want to make a close-up photograph tenhour using macra equipment? No problem, our rais group in close in the sumputer.

take any activity, photography should be lim and also challenging. The rervants of meeting photography's

challenges are all part of the fint and, ulumanely, the photographer who knows what is going on rehile in taking befored the camera will henefit the most from all of today's rapid technological advances. There should also be no sharme in knowing that a given idea or concept will require the aid of a computer and photo-imaging software. It makes the whole photographic process behind the camera not only fint again, but it also can appen up a (Bual ii orbit iil anazing possibilities.



a ariginally shot the iguana as part of an assignment for Koda's We were working at a small airport in Wallace, California, and nearby war an airplane pointed bright yellow, | at ked the animal trainer to place the iguana on the bright yellow wing and, looking down on the iguana from above, compared this graphic campor than emphorizing line lapposite!.

Almait a year later, I scanned that some image into Phatarhap and began to "play" I limited myrelf to the Hue/Saturation, Brighmeri / Cantiait, and Paint Bucket cantiols, I didn't leel it was necessary to remove anything, but rather to add some colar and "pump up the valume" [left] Fallowing the placement of this image in a national advertising book for photographeri, I made stock sales to a hast of clients that so las have totaled mase than \$10,000. I should add that this is not an image I keep in my portfolia, at it is 100 lar of a depositure from my normal style and approach.

[35-70mm lens, 1/125 rec at [/16]

How I Use Photo-Imaging Software

ase I given the impression that any kind of photographic manipulation after the image has been recorded is a hig, grant main? If so, I applogue—as that is deanly not the case, Both photographers to the early not the case, Both photographers should refer measurements and those just beguning should refer measurements as of the imaging jungains available today.

What have I determined to be necessary? That for photographers who don't yet use a digital camera, photo-imaging software can be a godseud in correcting bail exposures made on film. All this shouters have mages that could go from ho-hum to serking by a change in the overall exposure, or even by the remural of unuranted heres such as distracting power lines to objects sticking out of a subject's heart. This idea of intuiting elements is certainly not limited to thus using films digital photographers, two, can remainly benefit from this technique.

As a strong Indicate in doing what's necessary to make the continuation work (for example, exclunging one potter) plant for another). I would also be in far or finaling rhanges in your photographs via a softs are-imaging program. However, I do man to sness that the

changes I'm talking about the not akin to a 100-percent makeoper. Instead, they are limited In burdietps: The hasic chapponents of the charposition do not change; rather, color is adjusted, distairing tibje is are removed, and resposines are currected.

Again, I want to stress my own approach to image making. I will always invest 100 percent of my time his resting the mage in-camera. If it should become necessary to make changes with a photo-imaging solution program, the chances are good that those changes will be limited to renoring an uninovable object that, no matter my point of view, I could not eliminate in-camera. Another possibility may be ishen creating an image in which I must be employed a very grafny, terture-filled subject. I can do this after the fact by adding "mise" to grainly texture effect normally associated with high-spreet films.

Finally, million photo-integring software tile. Photoshopt, I sould never do the amount of desktop publishing that the done, Front promitional parts to books, these software programs allow are to prepare all if my mages for princing and publication. That, in and of isself, is prove than enough reason to enthrance this digital use.

n northern Bovaria, Germony, I come upon this automan is nen. As much as I liked the simplicity and color of the composition, I still lell that it would benefit from seven of filter elects that Photoshap offers. I combined the Diffusion filter will the Noise effect filter and the resulting image better conveys the more sensual and painterly leal that I would be achieve

[80-200mm lent, 1/8 sec of 1/32]







ry as I might, I could not eliminate the lone power pole in this very busy landscape made near the Swiss-French border. So ofter shooting the scene, I sea soned that this would be a candidate for Photoshop.

As you can see in the image to the right, there is quite a change, yet my adjustments were limited to three things: With the Cloning tool, I removed

unwanted subject matter, including fences and same trees; with the Hue/Saturation tool, I switched the image's gray lones to a sepio color; and, with the Noise officer filter I added grain to the overall compassion to get the look of a high-speed film, such as ISO 100s.

[300mm lens, 1/8 sec of f/22 for o +1 overer posure]









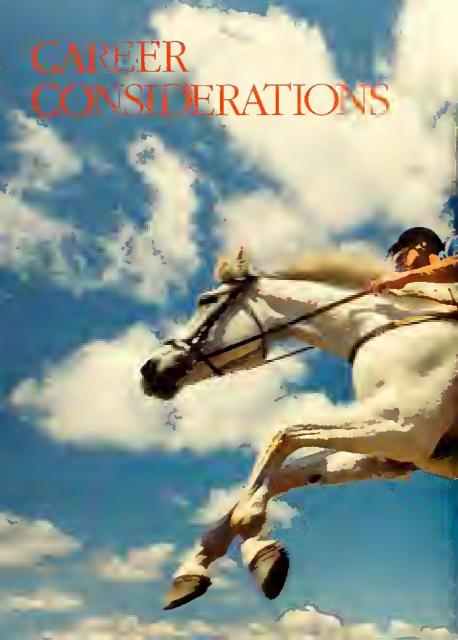
now a travel/vacation/cazysolitude image.

With the old of my Paintbrush tool and the color palette, I mixed red and yellow, and literally drew the windows and illumination into the sides of the storage bain Vailal II was no longer a storage barn but a lucky pétson's mountain gefaway. At the time, I knew this image held great promise as a stack photograph. In its list year in the marketplace it has already earned more. than \$8,000 from varied clrentele. Without the oid of my computer and the related software, this image would have remained in the 'il only" file.

[80-400mm lens at 300mm, 1/15 sec. pt f/16]











ith the wallet in place, I chose a low viewpaint (wallet level) and asked the couple to simply walk away from the bench so that it would be clear they were leaving.

[35–70mm fens at 35mm, 1/60 sec. of #/11]



What's Important

I you idea of being a photographer is "fun and fameysteer," paid the right—source of the time, it is, like most purfessions, hard work But, het, at you've gut to work hard, why not work hard at something you lone to the?

Although most photographers start but their careers as studio photographers, boroton photographers, responsive photographers, wealding photographers, fashing photographers, amore photographers, in mewspaper photographers, cover this many if them rise above the others and become known for their "integer see in light" in their "strong and graphic bindscapes" or their "sensitive bindat portraits, or their reputation of "getting the shut at any rost" in their "warky approach." Getting known is built the battle. The job that their mattins—and will always rentum. I might add—as the need to continually printent yourself What I mean by this is

- Constantly striving to book at the world from new vantage points.
- 2. Consistently employing Iresh points of viety with all of total lenses.
- Always, always dunking of ideas that, when pot on film or rigital film rand, ilemoustrate your skulls at rostal problem solving.

Let me give you just time example of how this works. Let's say you have in convey the idea of someone losing a waller. How would you go about communicating this? Public shooting a thirty-second telepismispin, you must do this with a single image. Although there are retrainly a number of solutions, you must strive to find the inner successful time. I chose what you see here

Some Advice for the Aspiring Professional

- Do reliat you alo—and their wrll—and you'll have plenty of competition.
- Dir what you do—and do it better than must and you'll countinged an audience.
- Dr what you do—and do a better than aityinte else—and you'll have the world at your iboustep

Why the Constant Challenge?

he reason I find it necessary to be constantly challenging myself visually is tirolold, First: All photographers rely heavily on their portfolios to get trank, so it oitly makes sense to keep one's portfoho undated with new nesterial. It creates a great teason to make return cisits fit eligitis, both clients for whom the marked in the past and clients for whom I wish to reark in the future: 'Hello, Ms. Junes, It's Bryan Peterson. calling, and I have some near material I'd lone to share with you. I know you will find it interesting."

The second reason for doing this is that many photographers, myself included, linee contracts with stock photo agencies. Think of a stock plinto agency as n retail store that offers images, both film and digital, in all ranges of subject mattet. Clients on a right budget tylrocan't allord a photographer, occlients with a tight ilradline, call on the stock agencies to fill their requests hirphotographs. These requeses may be as simple as "a waterfall' (perhaps to be used as an advenisement local

water publication device) in utily be as detailed as 'two clibrily ironten on a front porch, with the American flag on display, and one of the women is building a car' therhaps to be used in a senior citizen's magazine for a story about the effect of pets on tine's health as one ages), Requests can be limited to a single feeling. 'We need any and all pictures that concer the freling of security". tperhaps for an insurance company's direct-mail piece). By constantly challenging yourself, you will always have new material to subjittit tij stock agenriks.

The stock agency negotiates a rental fee for the use of a phitograph depending on three dangs: (1) the image size; (2) how many times it will be used (for example, one time only or six times obeca three-intritle nemod), and (3) where it will be used flucally, regionalle, nationally, octrorldivale). As a result, rental fees can range anywhere from \$200 to as much as \$10,000. The stock agency takes 50 percent of all sales made, and the photographer receives 50 peregn of all sales made on a monthly basis.

s I drove along one of the hundrods of back roads in Holland, L rome upon these children somo distonce from me out in a field of Inlips. I wasted no timo in getting my lens and camera ont of the trunk. and mounting it on a tupod. Since the children were a great distance from me, I wasn't able to give them any kind of direction-not to montion that I didn't even know them. After several minntes and four ralls of film. the two kids headed from the field to a nearby parked cor. I hytriedly packed up and also handed over to the cor. where I introduced mysell to their potents and asked for a signed model tolease with

the premise of sending some alou punts

Within months of making this image available through my stock ogency back in 1992, it had been sold more than a hundred times and generated over \$41,000. The image on pages 128-129 has made over \$48,000 in stock photogrophy since 1995. The world of stock photography has gane through a number of I hongos in the post live years, not the least of which ara a number of wedamaidais. Howaver, thate is ano constant: One-of-a-kind images still make maney, and somatimes, a lat al maney.

[800mm lens, 1/125 sec. of f/8]



Choosing a Theme

here's no special formula to succeed in this bustness except, of course, for the one with which except functional professional phonographics is most familiar long days, long nights, great self-discipling, and a determination to say the course no matter reliat—even when the light at the end of the finnel forus out to be an incoming train! One piece of additional advice I affer my durlents, particularly in my Internal photography marketing workshop, is this Behrie you can focus, it might be a good idea to know what it is proceed focus, any in other words, choose a theme or themes.



Our would is mily large, and has filled both so much phinographic upportunity than at times it can had really or rechebuling—or much so than when pair go our mily phase it show, you can be nearly an around in a daze with a thence or much, amazing things begin to happen you rell feet housed, directed, and enthusiassic!

The changes in themics are no less in number than the subs in the sky. Perhaps run'll be than photographer to his hangs out at track stops, motive shoot trucker portrans but eather to alrect your matrix lens at the dead modes,

binneilles, and other user is stock to the reack grills and urindshights. If the themes of architecture, librapic, business, inclusive, or spouts are not bread, then reduce you search. By reflections, wandon's, eyes, bands, leet, shorsnots, sindes, thoreus in the rain, indegrowth loyers, barns, birds, airplanes, steeln others, loggers, cannot people, root boys, three-eren-talks, castles, trathers, trons, regentibles, bunneillus, amisement parks, seasons, undes, bridges, lighthouses, orchards, famous ritles by dat, lamous ritles by night, churches, remeticies, transouffers, talleddaders, skateboarders, mountain chimbing, cas idogs, tranches, guin ball traveliums, parking meters, idous, allegs, treatigers, etheration, play guomics, translate cliness, ATM trachines, people using rediblar phones, guilfii, mem signs, a asilines, ashrars, in dimibiles.

Perhaps proced bears somed in applying your oscial problem-solving rateurs normal communicating certain enrollens in freshings safers, screenly, access, connection, risk, despat, mise, insubthin, cannon, infilterance, loss, southormers, elation, lethorge, antifum, handromen, guef, or hore. Challenge consell bother if you risk by shinding compositions that exists these entirings arthort using an ipeople in the images.

Once conice picked must being, don't forget to both at n' infule on your belly, while on your back shooting up, a bile map a ladder shooting don n, mali your make angle lens, with your street zoom in class-focus mode, only our adequation training hagemes a background in timed turns, in the high of each atoming, as the light of late afternation, shands after thisk, as a sillimetre, at slim shader species, and in all seasons—and don't toget in musiporane and emphasize, whenever pressible, the elements of dosign line, shape, form, texture, pattern, and, of course, ratho.

hal may appear to be a cuto image of parakeets is actually meant to convey that theme of indifference. With my camera and macro lens on a hippod, I zoomed the lens to IAOmm, tilling the trame with the five parakeets and also recarding my wish that the center parakeets would may burn ground to face me.

[70-180mm tens of 160mm. 1/250 sec. of [/5 6]

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Transform Your Vision

reamenty is not lor the chosen teer. This book it ill help mr photographer see thougs from a new angle and trand the risual bad habits that bank to dall, unincentice intages. Author Bryan Peterson's process teaching method is simple and highly effectire. Using his oren httpressire plottographs as examples, he discusses ichat graftes a successful, exceptional image-often providing useful "before" and "after" comparisons of his subjects to illustrate his points. Ampoint can "see"-but tritle junttion, Peterson's readers will develop a real plintingraphic dision and take better pictures.

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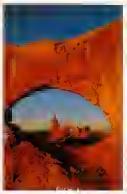
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HORIZONTAL





PICTURE WITHIN A PICTURE





CLOSE VS.

